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# YEARBOOK

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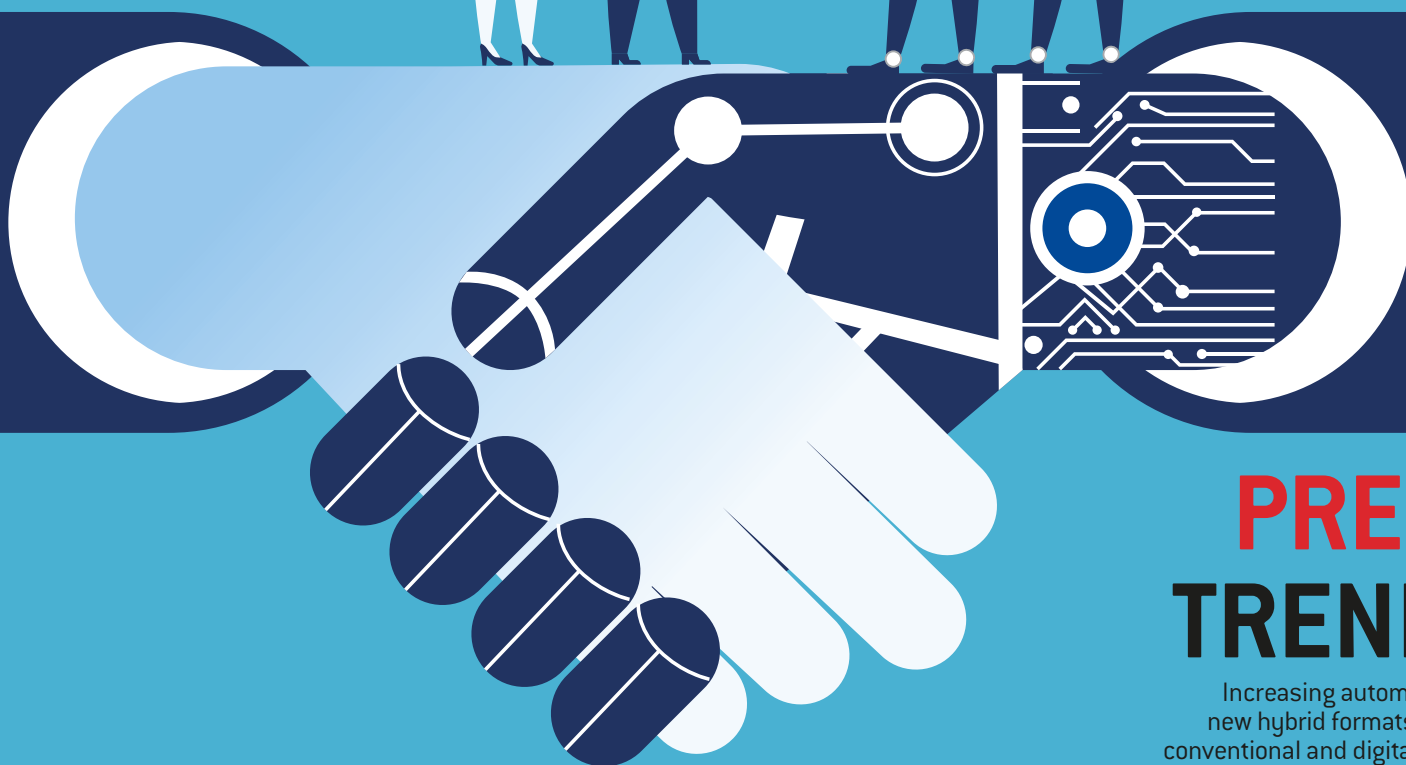
**& DIRECTORY 2019**

ANNUAL REVIEW OF MARKETS AND TECHNOLOGIES



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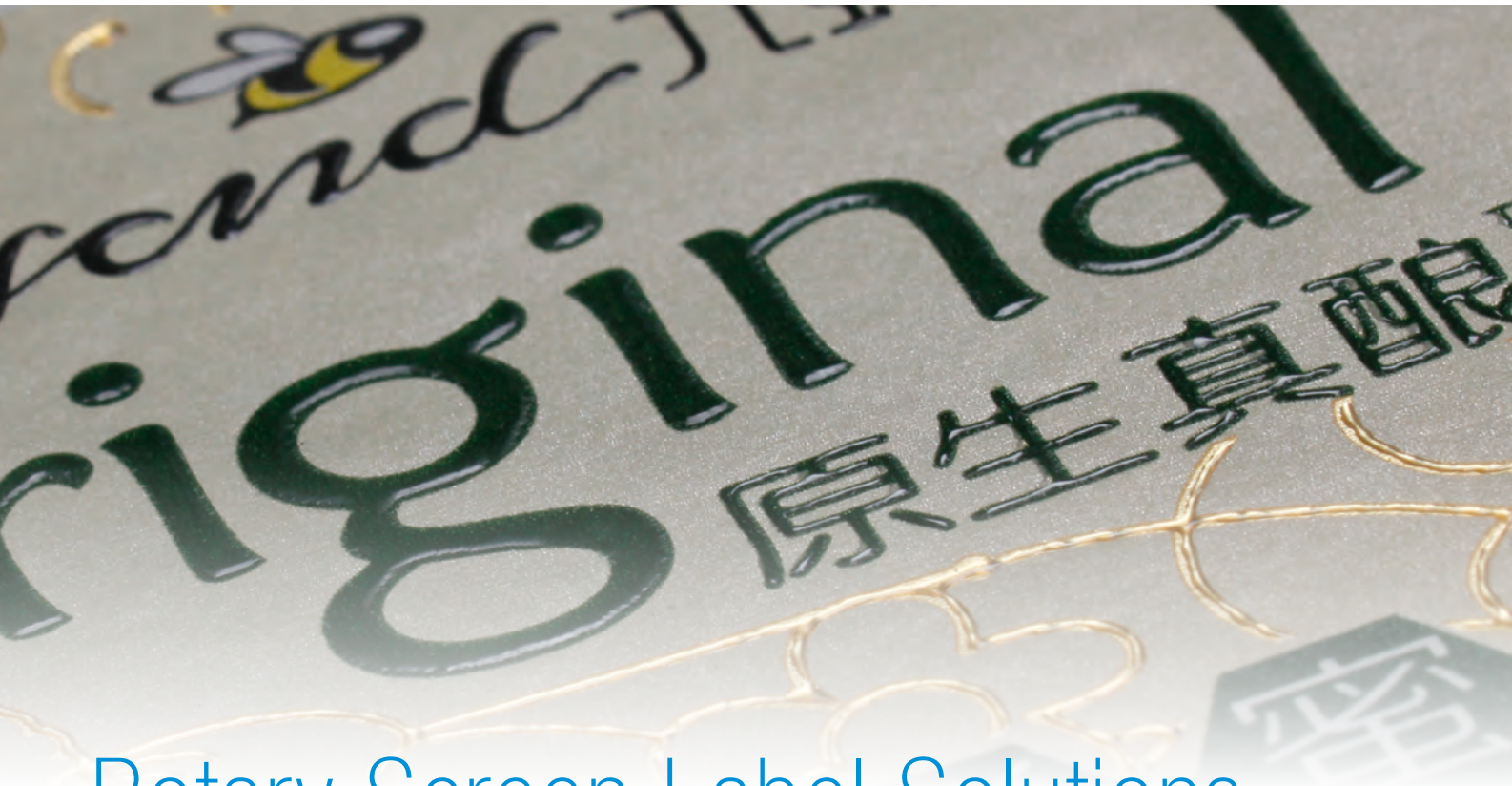
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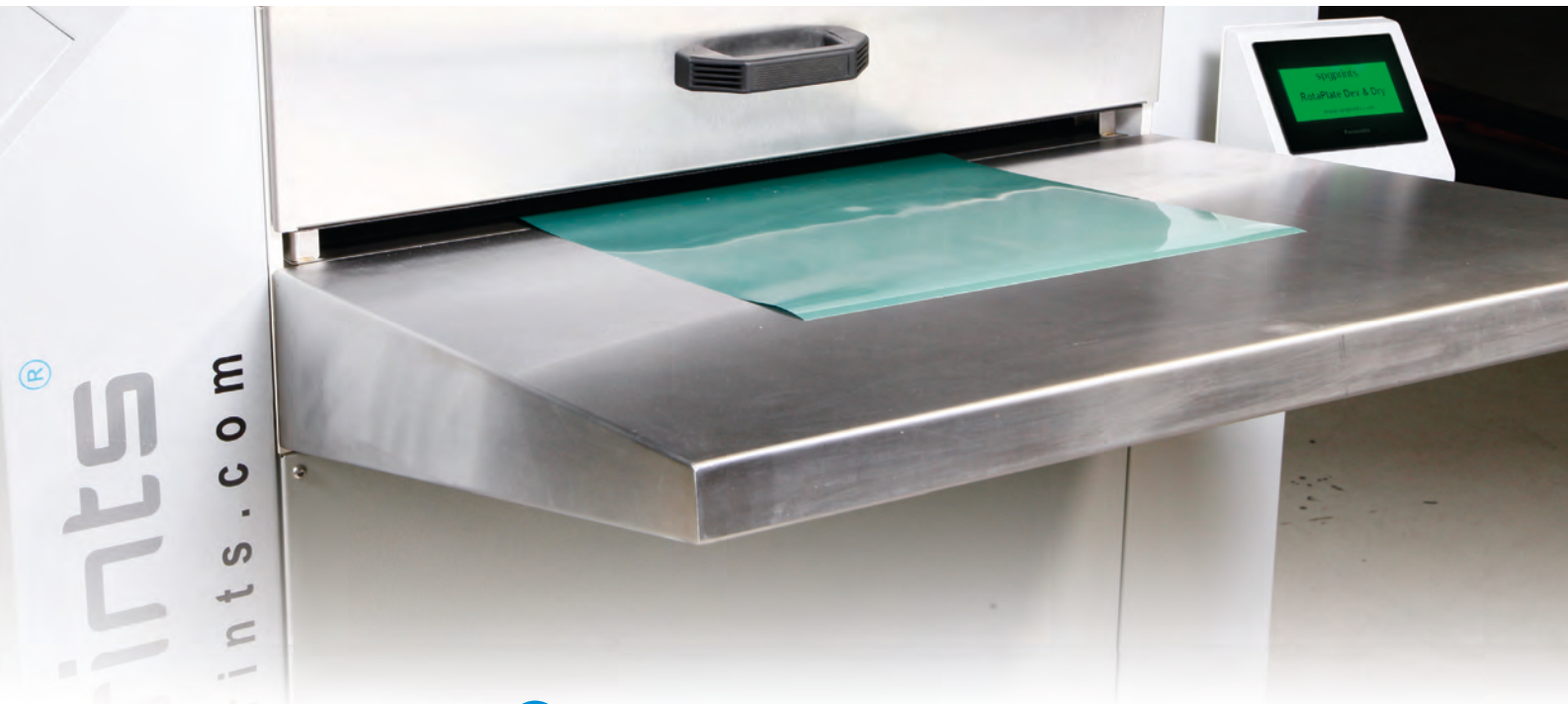
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**Andy Thomas-Emans**  
*Director, strategic  
 development, Labels  
 & Labeling and  
 Labelexpo*

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## Editor's Welcome 2019

This year closes with a generally upbeat mood across the global label industry. The geographical area we have the best statistics for – the European pressure-sensitive market – has fully recovered in volume terms from the severe losses suffered in the financial crisis of 2009-11, and is on a growth curve for Q1 2019.

And although the rate of growth has slowed in developing markets, it has remained steady in both Indian and Chinese powerhouses. The materials suppliers have continued to invest in both countries and in the wider Asia-Pacific region in production and distribution facilities.

There are, of course, clouds on the horizon: continued slowdown in the Chinese economy; the unknown disruption Brexit will cause in Europe; the escalating trade war between the US and China. But the label industry has proven remarkably resilient and will continue to reflect growth across multiple market sectors, most particularly e-commerce, household improvement (in developing markets) and supply chain/logistics.

Other threats come from the environmental flank. Liner waste continues to be an issue the industry needs to solve. The major materials suppliers and trade associations are doing their best in putting together schemes which bring together waste processors and end users of PS materials. But up to now this has hardly made a dent on the wider problem.

Then there is the growing war on single-use plastics, which could threaten large swathes of the filmic label market as collateral damage.

Rising raw materials costs translating into higher costs for substrates, inks and coatings presents another threat for hard-pressed label converters.

There are solutions to these problems. Progress is being made in finding commercial uses for recycled liner waste. A good case in point is L'Oreal's 'zero landfill' pledge which most recently saw Avery

Dennison partner with the company in Australia to collect and send the glassine waste to India, where it is turned into industrial paper. And there are a range of technology solutions for cleanly removing labels from plastics containers, allowing them to be recycled (if they can be collected) without contamination of the waste stream.

Rising materials and consumables costs can be mitigated by reduce waste at the converter. Options include better planning to reduce materials changeovers on press; more efficient makereadies; swapping shorter run jobs onto digital presses, and a lot more.

Expect to see more deployment of these technologies in the year ahead.

This year has also been a fascinating one in technology terms. We have seen the continued growth in the hybrid press category, not only in terms of flexo press suppliers partnering with digital engine manufacturers, but also a

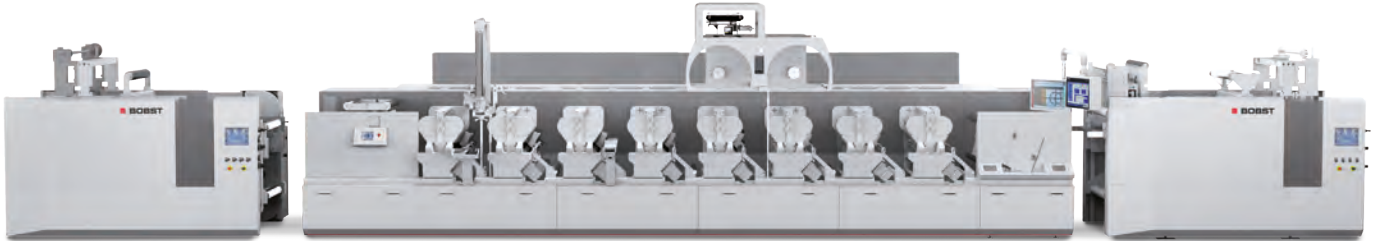
new class of rail-mounted single or multi-color retrofit units for conventional presses. From the digital side, manufacturers of print engines are increasingly offering the option of fully in-line operation, often partnering with finishing machine manufacturers with skills in in-line converting and web handling.

In developing markets we are seeing increased demands for higher quality packaging on the back of the continued expansion of the organized retail sector. This is pushing local brands to compete with the decoration standards of the multinationals, which in turn is pushing the requirement for higher quality equipment – particularly inspection equipment. This is a trend we saw clearly at the Labelexpo Southeast Asia and India shows and expect it to be repeated at next year's Labelexpo Asia in Shanghai.

Perhaps the most important trend we expect to see in 2019 is the implementation of Industry 4.0. What this means in practice is Big Data and artificial intelligence being deployed to help operators set jobs up and monitor them in real time, as well as machines which set themselves up automatically using data stored in factory-wide MIS systems. Once fully understood and integrated this could lead to a surge in converter productivity, a reduction in wastage more efficient and profitable use of machine assets.

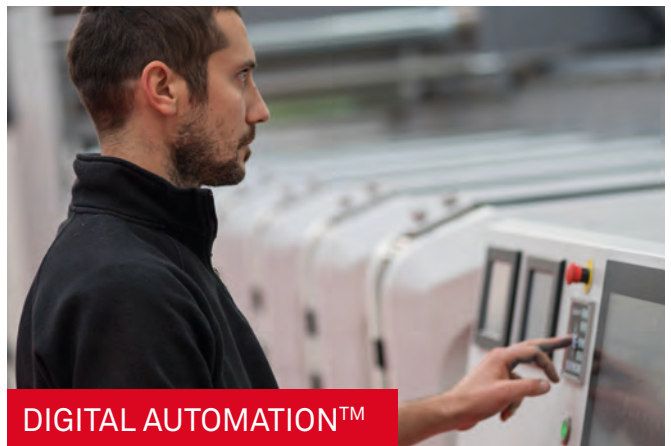
**ALTHOUGH THE RATE OF  
 GROWTH HAS SLOWED IN  
 DEVELOPING MARKETS,  
 IT HAS REMAINED STEADY  
 IN BOTH INDIAN AND  
 CHINESE POWERHOUSES**

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# IT'S ALL ABOUT THE STORY

DURING MERGERS AND ACQUISITIONS, COMMUNICATING YOUR VALUE TO INVESTORS IS CRUCIAL, WRITES BOB CRONIN OF THE OPEN APPROACH

**S**ellers today are in the driver's seat. Lending rates are still low (but rising), multiples have gone up, and a number of areas are garnering significant investor attention. But the process of selling is complicated. There are a number of stages to go through and crucial obstacles to navigate along the way.

Even if you have a hot property in a high-demand segment, your effectiveness at each sell stage is important. Getting through these wisely – with expert and experienced support – will ensure your best outcome. The typical sale process follows six stages: 1) Preparing an offering memorandum; 2) Creating a management presentation; 3) Determining your best acquirers; 4) Selecting your match; 5) Performing due diligence; 6) Closing the deal.

The first stage is critical. Most businesses are shopped with an offering memorandum. And thus, a compelling one is key. An offering memorandum communicates your company's value – and gets it considered. It's all about the story. Your ability to engage and entice investors will determine which opportunities are available to you. This article, thus, focuses on creating an offering memorandum so you can get the best return from your hard work.

Since you lead your company every day and are very close to it, you may think this would be straightforward. But be assured that it's very complex. It can be especially difficult for an investor who may not work in labels or packaging to grasp what it will take to grow to the next level. The most effective way to communicate complex messages is through a story. Your acquirer must clearly understand your key strengths. Moreover, they must be able to grasp what new growth is possible – or your own or in combination with another entity.

Your offering memorandum starts with an executive summary. This is a 3- to 7-page (or so) discussion about the business. It's a synthesis of the entire offering memorandum, highlighting your greatest attributes – as they relate to a potential acquirer. We put these together all the time for our clients and have found certain keys to success. The most effective executive summaries cover the following.

How did you start? Purchasers want to know where you came from. They want to see your initial plan and objectives, and how well they were aligned with the market at that time. They also want to see how you planned and grew over the years, so that they can gauge the validity of your future vision. Accommodating cyclical change can be perceived favorably, while rebrands and larger risk-taking may be seen in a different light. Purchasers will be determining how solid your foundations are to assure them of their investment.

Who helped you build your business? You're selling your business.

**“Your ability to engage and entice investors will determine which opportunities are available to you”**

Thus, it's not a story about what you did, but rather what your people have accomplished and are prepared to achieve in the future. Great people make a great business. Acquirers want to make sure that a solid team would remain to propel the operation. If you have staffers with unique abilities, call out their experience and potential. Having such assets will yield you greater reward.

Why are you selling? Reasons behind a sale can tell a buyer how much risk is at hand. If you're selling only because of age or retirement, it's a lot different than selling because of an outdated product line or income volatility. Take on this question honestly and openly. Also, show how you've made plans to manage your exit. Any underlying motives and issues will be discovered in due diligence.

What has the business become? Businesses evolve over time, and your original goals are likely not your goals for the present or future. Provide an accurate pinpoint of who you are today. Be specific in describing your company's strengths, weaknesses, assets, and obstacles. And be able to back up any claims.

What can the business be in the future? Working off the previous question will be a discussion of where the company can expand. Think through multiple trajectories, and clearly articulate how each of these can be attained. Growth plans may vary based on whether you sell to a strategic acquirer or private equity investor. Will the business need capital to expand? Can it rapidly grow with entry into a new channel? What does it need to reach its full potential? Explain how you believe new ownership will make the business stronger. This will strengthen your position to sell.

As you work through these questions, remember to stay positive, but realistic. Provide clear details, research, statistics and other evidence to substantiate your assertions. Remember to customize your document to your target investor or acquirer. With a relevant and compelling story, you can get your business noticed. More important, you can maximize interest to enhance value and bring your transaction to a successful and profitable conclusion.



Bob Cronin is managing partner of The Open Approach, an M&A firm focused on the world of print.  
[www.theopenapproach.net](http://www.theopenapproach.net)

# RAPID EXPANSION IN THE LABEL ACADEMY

MIKE FAIRLEY OUTLINES THE TITLES AVAILABLE IN THE LABEL ACADEMY, AND WHICH NEW EDITIONS ARE ON THE HORIZON

One of the major challenges that today's label companies have is how to attract young people into the industry, educate and train them in the latest technologies processes, and then retain them on a longer-term basis. The industry generally has a problem with its outdated image in many schools and colleges. It needs to change this perception. It needs to excite and stimulate the millennial and post millennial generations that are familiar with and use sophisticated communications, media and digital technology on a daily basis – the very things the industry needs for its longer-term future.

At the same time, the industry needs to bring in new people to run existing conventional press technology and retrain and retain its existing workers and bring them up to speed with new and future requirements.

It was a combination of all these factors that lead to the creation of the Label Academy some five years ago. Consisting of a series of self-study modules, combining free access to relevant articles and videos with paid books, the Academy has developed rapidly with some 14 books now available – plus the Encyclopedia of Labels and the History of Labels book – with more in the pipeline. A short summary of all the currently available titles is set out on these pages.

The aim with these books is for each label company to build its own in-house library of titles, all made available for employees to read and study, either individually, or as part of a defined company induction, training and employee development program.

Master classes and workshops have also been introduced as part of the Label Academy program, providing expert information, education and guidance on topics that now include Shrink Sleeve Technology, Management Information Systems and Workflow Automation and Inks, Coatings and Varnishes.



The Label Academy now boasts 14 titles, with more in the pipeline

*“The industry needs to excite and stimulate the millennial and post-millennial generations that are familiar with and use sophisticated communication, media and digital technology on a daily basis – the very things the industry needs for its longer-term future”*

## What comes next?

The next new Label Academy book title to be published – expected to be available by the end of the year – will be Flexible Packaging: Materials, technology, markets and applications.

This will be followed in the Spring of 2019 by a completely revised and updated version of the Encyclopedia of Brand Protection and Security Labeling, while a brand-new title, Label Substrates: Their manufacture, characteristics and performance is in the early stages of research and writing. These new editions will bring the total Label

Academy books up to the 20 titles that were originally conceived some six years ago.

A review of the existing and new titles is currently underway to establish a regular program of the books that require periodic updating and to look at what new titles might be required for the future. Perhaps there is a need for a Careers in the Label Industry book that converters can provide to schools, colleges and for recruitment purposes? Any readers with ideas or suggestions for new titles can email them to Natalie Tamiollo at Labelexpo (ntamiollo@labelexpo.com).



## Label Academy books currently available



### Digital Label and Package Printing: Terminology, technology, materials, management and performance

Digital Label and Package Printing incorporates much of the combined knowledge of many of the world's leading experts to provide a comprehensive guide to understanding how these technologies work – whether

electrophotographic liquid and dry toner or inkjet. It also explains the enhanced requirements that digital printing brings to color management, origination and pre-press, workflow, demands on substrates, digital analog and laser finishing, and how converters should look to manage and market the digital printing operation.



### Management Information Systems and Workflow Automation

To fulfil the needs of modern label and package printing production, a large number of management information systems (MIS), specialized and niche software solutions and evolving hardware have been developed.

While their positive impact on profitability and competitive advantage is undeniable, many have very specific applications. Choosing which is suitable for your operation is a time-consuming and challenging process and getting it wrong can be a costly mistake. Expert guidance can be found in this book.



### Inks, Coatings and Varnishes: A guide to manufacture, handling and performance

Inks need to fulfil multiple functions and roles: they must be safe to handle and use by the converter, they must coat a printing plate, yet release easily onto a wide range of different paper and filmic substrates; they must not deform or crack during post-print

converting processes involving heat and pressure, or on shrinkable materials; they must resist damage from rubbing and jostling on high speed filling lines and during transit and stacking; and they must remain robust and readable throughout storage and handling by the final end user, whether consumer or industrial. This book covers all these subjects.



### Shrink Sleeve Technology

Technological advances have vastly expanded the market for shrink sleeve labels. Today, full body decoration, 360-degree branding, the potential to decorate complex and intricate shapes, the ability to add tamper evidence, abrasion resistance and waterproof printed images are all possible due to constantly

developing technology. Shrink sleeve label printing uses a variety of different films, with different degrees of shrink capability. Converters need knowledge of each of these films, along with the image distortion processes, and the shrinkability and performance requirements of inks – all explained in the book.



### Environmental Performance and Sustainable Labeling: Become a 'greener' label converter and user

This book provides label converters and industry suppliers with information about the environment, sustainability, climate change and waste debate as it affects the label industry, and reviews the legislation, guidelines, directives, protocols and industry initiatives that have been introduced over the past decade.



### Conventional Label Printing Processes: Letterpress, lithography, flexography, screen, gravure and combination printing

A valuable resource for explaining the principles of each of the main conventional printing processes used in the production of labels as well as the types of printing equipment used. Although conventional

printing is under pressure from digital processes, it remains a potent force in the sector. It is therefore important to have a fundamental understanding of each process, the mechanics behind them and how they are evolving and changing.



### Label Design and Origination: Repro and pre-press processes

Written to examines the developments that have taken place in the prepress arena and explores in detail the progress of a typical label job from design through to its arrival on the printing press. The design to print process is quite complex and there are many stages to

ensuring that the final printed label meets the expectations of the brand owner. Excellent communication and co-operation between the designer, printer and brand owner are an essential element in delivering a successful result and supply.



### Die-cutting and Tooling: A guide to the manufacture and use of cutting, embossing and foiling dies, anvils and cylinders

This book explains the complex and vital role die-cutting and tooling plays. Through a series of detailed explanations, photographs, diagrams and charts, the author provides a detailed

look at modern tooling technology – how the tools are manufactured, their use and applications, how they should be handled and stored. It includes a section on troubleshooting on the production line and a glossary of terms to ensure any unknown phrases are quickly understood within context.



### Codes and Coding Technology: A guide to understanding barcode symbology, types of codes, reading and verification equipment and industry standards

An up-to-date guide to understanding current barcode symbology, types of codes, scanning and verification equipment, printing technology, and industry standards. Includes

a useful glossary of barcoding terminology, providing a valuable resource to materials suppliers, printers/converters, and brand owners.



**Label Embellishments and Special Applications: Exploring the techniques and processes used for adding decorative finishes and functionality to labels**

Written to explain in detail all current methods of label enhancement. It begins with a thorough review of the more traditional methods such as foiling, embossing and novel

printing techniques, and introduces new technologies and innovations including the use of smart and smart active materials, developments in multi-web manufacturing and the introduction of electronics.



**Label Dispensing and Application Technology**

This book aims to answer key questions around label dispensing and application technology. How is it possible to separate pressure-sensitive face material from the silicone backing? How can labels be placed around corners or into recesses? How

are products moved into the correct position for labeling, held steady or rotated on the label application line? Also included is a comprehensive troubleshooting guide for the applicator line.



**Brand Protection, Security Labeling and Packaging: Technologies and strategies for optimum product protection**

Hundreds of brand protection and security labeling solutions are detailed and explained in the book, including the latest hi-tech methods, such as RFID, taggants, electronic article surveillance (EAS) techniques and holograms.

Guidance on developing brand protection and security labeling systems and procedures is also provided.



**Product Decoration Technologies: Understanding the primary methods for decorating a product**

This book explores the wide variety of product decoration technologies in use today, highlighting their unique characteristics and helping in their identification. It enables the reader to gain a comprehensive insight into

the whole decorative process as it relates to consumer packaging

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*“The aim with these books is for each label company to build its own in-house library of titles”*

– from material selection, print and finishing technology, and to application onto/or integration into the pack itself. The pros and cons of each decoration system are identified, but more importantly, the cost implications underpinning the selection of a particular decoration system are examined.



**Label Markets and Applications: A guide to material specifications and regulations for consumer and industrial markets**

This title examines each of the main end-user markets in turn. It describes how the label is used to satisfy the consumer, the brand owner and the regulatory authorities in major world markets. It also looks at the changes in label

technology, in particular the impact of digital printing, and the ways in which they affect the various end-user sectors.

**BENEFITS FOR EMPLOYERS:**

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**BENEFITS FOR EMPLOYEES:**

- Professional commitment by an existing or potential employer to an employee's role, education and training
- The possibility of building transferable skills knowledge and competency towards promotion and new job opportunities
- Better understanding of the technology, materials and business processes that they use



*All titles can be ordered through the Label Academy website at [www.label-academy.com](http://www.label-academy.com). Special discounts have been agreed for Finat, TLMI and LMAI members*

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# CONVENTIONAL AND DIGITAL PRESS TRENDS

WITH CONVENTIONAL AND DIGITAL PRINT AND COATING TECHNOLOGIES CONVERGING, ANDY THOMAS-EMANS LOOKS AT HOW AUTOMATION AND HYBRID SYSTEMS ARE SHAPING THE FUTURE OF THE NARROW WEB INDUSTRY



## Conventional press trends

Current developments in the flexo press sector point to a blurring of the boundaries between conventional and digital, greatly increasing the range of options open to label converters faced with shorter run lengths and the need for greater production flexibility.

Related to these developments, the last Labelexpo shows in Europe and America revealed a new drive to integrate conventional presses into Industry 4.0 workflows. This means repetitive manual operations are taken over by 'intelligent' servo-assisted systems, while press control systems exchange data with factory-wide management information systems (MIS).

Automated pressure setting is a good example of this trend. The technology has moved from wide web CI to narrow/mid-web presses, with Bobst leading the way with its 'Digital Flexo' press lines, where cameras continuously monitored the density of a patch of pixels, feeding information back to servo motors. At Labelexpo Americas 2018, automated pressure setting was seen on most major manufacturers' high-end presses.

Omet announced auto-pressure setting on its XFlex X6 press line, and Nilpeter demonstrated a range of 'Clean Hand' automation technologies on its new FA line, implemented by seven direct drives on each print head. Edale's FL-3 press was demonstrated at the show with a full AiiR automation package which includes automated pressure setting.

At the show Bobst took flexo automation a step further with a demonstration on an M5 press of simultaneous exchange of plate cylinders followed by a 'hands free' makeready with automated pressure and register setting.

Looking forward, we could see other automation technologies make the transition from wide web to the narrow/mid web sector. For example RFID-equipped anilox rolls which allow the press control system to check the correct tooling has been fitted and aid automated inventory management.

Another key Industry 4.0 concept is 'Big Data', analyzed and implemented by artificial intelligence systems. The first area we are seeing this become reality is on-press inspection.

Press cameras linked into cloud-based data networks will learn about common print problems and help operators spot them before they happen and either auto-correct press parameters or alert operators to the probable cause.

## Data exchange

The final piece in the automation jigsaw will be two-way data exchange between flexo press and MIS. Up to now press control systems have been based on proprietary operating systems, requiring

information to be double keyed from the MIS into the press console – for example material type and run length.

This is now starting to change. MPS demonstrated its Talk To Me open interface at the Labelexpo Automation Arena, allowing two-way communication with a Cerm MIS. Bobst demonstrated integration of both its high-end M5 and entry-level, shaft-driven M1 presses into a browser-based Internet of Things (IoT) network, where a number of productivity and bench-marking apps are available.

On the digital side, HP continues to develop its PrintOS cloud-based operating system, which now includes a suite of benchmarking and workflow tools including Site Flow for Labels and Packaging, OEE (Overall Equipment Efficiency) monitoring and EPM Analyzer. PrintOS is open to compatible third party applications, and it was notable that just across the aisle at Labelexpo Americas AB Graphic was demonstrating a cloud-based OEE app which monitors its finishing equipment and ties into the Cerm MIS.

Zeikon is developing its own suite of bespoke apps – the aXelerate services program – and at Labelexpo Americas added an OEE component which automatically collects data from presses and peripheral equipment and shows current productivity status.

## An end to operator skills?

Do these developments mean that skilled flexo operators will no longer be needed? Absolutely not. Automated systems will get 98 percent of the way towards an in-specification job set-up, but operator skill will always be required to make those final makeready adjustments before ramping the press to full speed and producing sellable labels.

The key phrase in Industry 4.0 is 'cyber assisted'. The skilled operator is helped by the intelligent machine to achieve an optimum result. Once the job is running to specification, the intelligent machine monitors itself using sensors to measure and adjust registration, print pressure, web tension, UV lamp power (measured at the web surface), while cameras and sensors check for developing print faults and measure density and color throughout the run. Once the correct number of in-specification labels have been printed, the press can even ramp down automatically – a system already implemented on digital presses.

So the role of the skilled operator changes. They can now monitor multiple machines from a smart mobile interface from any point in the print plant, accessing a wide range of production status information in real time. This frees up time to concentrate on other value-added activities such as assembling the elements for the next job change.



**Epson's water-based L-4533, successor to L-4033**

### Converting developments

Automation on the print and web transport sections is being matched by more efficient tooling systems at the converting end of the press. We are now seeing the deployment of semi-rotary die-cut systems able to operate at full press speeds of up to 150m/min. The key advantage of semi-rotary is that the same magnetic cylinder is used for every repeat size, and with semi-automatic die loading and ejection on units such as ABC's Fast Track, there is minimal downtime between jobs. Mark Andy's system allows the die module to be switched between semi- and full rotary operation depending on run length.

Nilpeter is currently developing the semi-rotary die station seen for the first time on its Panorama hybrid press at Labelexpo for the new FA series press. Omet has its own take on the die-cutting format issue. The company's MonoTwin Cut system uses differential pacing between two fixed diameter cylinders to achieve the same result.

The increasing efficiency of highly automated flexo presses married to fixed-palette printing – which eliminates the need for washups between jobs – has seen flexo start to encroach on the shorter run territory of digital. This blurring of lines has only increased with the dawn of the age of the hybrid press.

### Hybrid comes of age

With digital printing taking an increasing share of the new press market from the early years of the 21st century, manufacturers of conventional presses felt the need to develop their own digital offering while not throwing away the expertise gained over many years of designing high-specification flexo presses.

The route chosen was to ally with UV inkjet press manufacturers and incorporate their print engines into existing flexo press lines. As the chemistries of flexo and digital UV inks are similar, digital has slotted easily into the in-line format of the narrow web industry.

This is not a new phenomenon of course. Nilpeter launched its Caslon program in 2012 with FFEI as its inkjet integration partner. But the first generation of single-pass inkjet systems were not really up to the job of matching flexo in terms of print quality or speed.

Today, print resolutions have increased up to 1,200 DPI and speeds have reached as high as 100m/min, though a more typical speed range is 50-75m/min. Printing white generally entails a reduction in speed to allow the ink to properly whet.

These are certainly speeds and resolutions capable of fully complementing the flexo process, while the scalability of inkjet allows it to handle standard web widths of 13in/330mm. The

### UV LED curing raises profile

UV LED is becoming a more mainstream option for narrow web flexo presses because of key advantages over arc: it is an on/off process with no heating up or cooling down period, so no requirement for shutters; it emits less heat directly to the web surface; it is more efficient at curing some colors, such as whites; and has a longer lamp life without progressive degradation.

On the other hand, the inks tend to be more expensive and less widely available from all suppliers in complete sets including varnishes, and there is still heat to remove from the back of the array, either by water or air cooling.

An approach which takes advantage of the strengths and weaknesses of each technology is interchangeable lamp housings, which allow converters to quickly convert a chosen station to UV LED then back to arc without replacing the whole lamp assembly on the press and without changing power supply. Both GEW and IST have demonstrated the technology at successive Labelexpos.

In digital printing UV LED is already used for 'pinning' colors to increase print definition before a final arc UV cure. UV LED as a complete curing solution was first used on the Epson L-6034VW and at Labelexpo Epson launched its successor, the L-6534, which uses Epson's own PrecisionCore head technology. The press prints CMYK+W and includes an in-line UV LED cured digital varnish station. An arc UV final cure can be switched in if required.

We should also mention Electron Beam curing, a technology up to now reserved for wider web packaging presses. At Labelexpo Europe EB curing made an appearance in miniaturized form on the Uteco Gaia inkjet press, developed as a joint project with ebeam Technologies and INX Digital. The key benefit of EB for food packaging applications is there are no photoinitiators to migrate into the product.

opacity of today's UV white inks certainly matches flexo whites and in some cases approaches screen.

Surveying hybrid press sales, it is interesting to note the wide range of configurations – indeed, we can say that there is no standard configuration for a hybrid press. Most presses in the field are equipped with a flexo unit before the digital engine, either for priming the substrate or to put down a first white, and 1-2 flexo units after the digital, allowing a spot color and/or varnishing.

But some converters are ordering configurations which more closely resemble a full scale conventional press with up to eight flexo units and a digital engine inserted in the middle. In these cases the press can be used either as a digital press – bypassing the flexo print units – or as a digital press for shorter run jobs, as well as any combination in between.

Given the higher costs of UV inkjet inks, hybrid printing holds out the possibility to print far longer runs than is economic with digital-only presses. With an appropriate color management system, the dominant color in an image can be printed with a UV flexo spot ink, while the digital engine handles variable print and complementary color elements. Similarly, using a flexo applied first down white is more economical than using a digital White on longer runs. The development of faster semi-rotary die-cutting

units which we noted above also helps the efficiency of hybrid presses on both longer and short runs.

### Flexo with digital capability

Another way to achieve hybrid capabilities on a flexo press is to rail mount a full web width mono or full color module.

Labelexpo Americas saw a range of mono retrofit units such as the Graphium Printbar. This uses Xaar's latest 1003 heads specified for either fine detail or heavier coatings and capable of operation at a maximum speed of 246ft/min (although high opacity white runs at 40m/min).

Domino showed its established K600i mono unit, while Mark Andy demonstrated its latest Digital Screen Plus model on the new P7E press. FujiFilm introduced the Samba 42000 Printbar at Labelexpo Europe in 2017, imaging at 1,200 DPI at speeds up to 90m/min.

Web-wide mono retrofit modules have a range of possible applications. They can act as a 'digital black plate' providing a variable data capability; can apply a first down white; or act as a variable imaging spot color station. Properly specified inkjet heads capable of handling higher viscosity functional coatings without clogging allow converters to apply variably imaged spot matte or gloss coatings. Jetting UV-curable adhesive will also allow variable cold foiling, replacing the static flexo coating plate.

Inkjet embellishment units can simulate 3D-type tactile effects such as embossing and debossing, although full-specification Braille is not yet possible on single pass systems. A press can now be designed to digitally print, create raised image areas, digitally cold foil and follow the design with spot matt or gloss varnish, all without any plates and with variable imaging possible at each point.

In Chicago we even saw the addition of mono retrofit modules to a hybrid press, demonstrated by Edale and its US partner FujiFilm on the Graphium X hybrid press. At the show Gallus

announced that its Digital Embellishment Unit, now undergoing beta testing as part of the Gallus LabelFire hybrid press, could be made available as a module on an ECS or Labelmaster flexo press at some point.

### Digital presses

The debate about whether off-line or in-line finishing is more efficient continues in the digital press market. From recent Labelexpo shows we see a clear trend for digital press manufacturers to offer in-line operation as an option. Examples include the HP Indigo GEM inkjet embellishment unit, seen in-line with a 6900 press at Labelexpo Americas, and now also incorporating digital cold foiling.

Zeikon has long been an advocate of in-line processing and at Labelexpo Americas demonstrated both in-line laser in the Automation Arena and an all-in-one entry level print and converting system called Label Discovery combining a Zeikon 3000 press and entryCoat finisher – which can also be used as a near line finisher. Colordyne's compact 2800 Series Mini Laser Pro launched at Labelexpo Americas includes full color print, lamination and laser die-cutting in one line.

Konica Minolta demonstrated its AccurioLabel 190 dry-toner electrophotographic digital press at Labelexpo with a near-line GM finishing unit, but is also looking at options for fully integrated finishing.

### Special requirements

With half of all PS label volume in industrial labels, mostly using variable print, digital press suppliers have pushed hard the robustness of their print processes for harsh environment applications.

HP Indigo showed at Labelexpo Americas its Pack Ready for Labels program, using a new primer which gives added robustness

### Wider webs

The last forty years of narrow web development have seen presses get progressively wider, from 165 and 210mm to a standard 330mm, then progressively to 430 and 520mm. 430mm is widely considered to be the maximum practical width for pressure-sensitive labels because of the weight of the die-cutting cylinder.

But the rapid development of filmic labels – particularly shrink sleeves – and an emerging market in short run flexible packaging have driven the development of wider machines capable of handling these larger format products. This emerging 'mid web' market centers on the 670mm/26in width up to a maximum of around 900mm.

Examples of this approach include the Bobst M6, Omet Varyflex and MPS EXL packaging press. At Labelexpo Americas Mark Andy showed a print unit from its new P9E press, a 26in (670mm) machine designed for efficient converting of shrink sleeves and flexible packaging. The press does not use sleeves, but rather traditional – albeit especially light-weighted – cylinders. Pressure settings can be stored for future retrieval. This press clearly builds on Mark Andy's Comco heritage in a format pioneered by Mark Hermann's company in the late 1990s.

On the digital side, HP Indigo's mid web 20000 press has revolutionized the short run flexible packaging market and is



now gaining serious traction with multi-plant installations. US-based digital-only converter ePac, for example, is building an entire business around digital printing of flexible packaging at locations across the US with multiple 20000 presses. HP's Pack Ready ecosystem includes all elements required for a flexible packaging workflow, including primers, lamination, dedicated opaque white station and finishing units. At Labelexpo Americas the company demonstrated an in-line shrink sleeve label line based around a 20000 press and the ILC760, a new 30in integrated top coating, slitting and rewinding unit developed by AB Graphic, capable of using industry standard water-based and UV coatings.





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to labels printed on the 6900 press. Flint announced at the show UL certification, in partnership with Flexcon, for the Panther UV inkjet technology which drives its PX press series.

Another area of active development for UV inkjet is low migration. This has taken a major R&D effort since LM formulations require larger particle sizes and it is critical these do not clog the fine jetting nozzles. An example is Screen's Truepress Jet L350UVLM press seen at Labelexpo Americas, which uses the company's LM inkset combined with nitrogen inerting to flush oxygen from the curing chamber.

### Water-based developments

Not all inkjet developments have involved UV. Memjet has made strides in water-based technology for its OEM partners resulting in a new pigment-based aqueous ink system called Duralink.

The technology was first run out with a Chinese OEM partner, but Colordyne also announced plans at Labelexpo Americas for a second-generation 3600 Series AQ retrofit module using Duralink technology to be rolled out in the second half of 2019.

(Colordyne is not abandoning development of its UV retrofit systems. At the show it also announced a partnership with UV ink developer Kao Collins to offer bespoke formulations to users of the 3600 Series UV-Retrofit unit which will increase printhead life, improve durability and give a wider color gamut).

Konica Minolta has partnered with Memjet and at Labelexpo displayed equipment developed by the two companies which

Konica Minolta will sell to label converters. The Precision Label Series 475i – shown with the matching PKG-675L laminator – uses Memjet technology to produce finished corrugated materials, including folding cartons, displays and traditional cardboard boxes. It allows short-run, customized and personalized packaging production for label converters looking to diversify.

Epson has its own take on aqueous technology with its popular L-4033AW, now superseded by the L-4533AW, which was launched at Labelexpo Americas. The show machine included a beta version of an in-line spectrophotometer and a robotic automated head cleaning system. Currently, spectrophotometric calibration is carried out off-line. The new system will allow fully closed loop color management.

### New players

A significant trend is the addition of new players to the digital label press sector. Wide web CI specialist Uteco has made a major foray into the narrow web market in partnership with ebeam Technologies and INX Digital, demonstrating the modular Gaia electron beam inkjet printer. The press offers food compliant short run print capability for the food and pharma markets and prints on a wide range of substrates including aluminum, paper and films at speeds up to 320ft/min. It can be configured up to 36 inches wide.

Uteco has also collaborated with Kodak to bring to market the 650mm-wide Sapphire Evo digital press for labels and flexible packaging. The press uses water-based inks to print on films and



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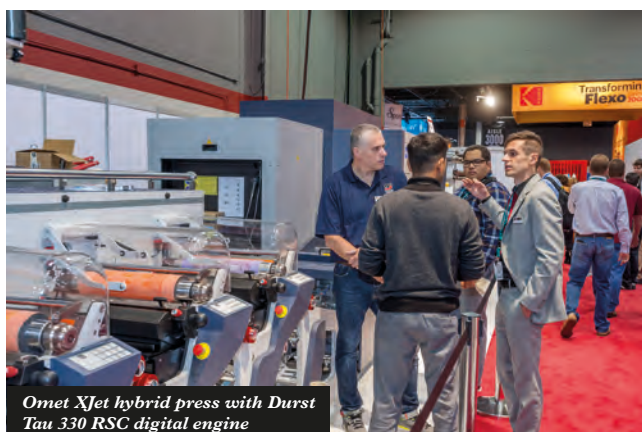


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Omet XJet hybrid press with Durst Tau 330 RSC digital engine

paper at speeds up to 900ft/min.

Another key wide web player, Bobst, has stepped into the narrow digital web arena through its acquisition of Mouvent. Mouvent's key technology is the 3D-printed 'Cluster' which brings together imaging units, ink supply and alignment systems, and provide the basis for a wide range of possible system configurations including sheet-fed (under development) and web-fed press systems for applications ranging from textiles to labels and folding cartons. Its label-specific machines are the L701 (170mm-wide) and 702 presses (340mm) using either UV or water-based inks and available in six colors plus white. Mouvent is now working with Bobst on developing in-line finishing. These presses will soon be joined by

the LB705 for flexible packaging.

And 2018 saw another major player from the commercial print digital sector launch a dedicated label system, as Canon entered the market with its Océ LabelStream 4000 series 5-color UV inkjet press (CMYK+W) with a print speed of 48m/min. The press is available in print widths of 330mm (13in) or 410mm (16in) with an optional performance mode of 68m/min for less demanding print jobs. The press uses Xaar 2001 UV inkjet printheads, with a resolution of 720 x 600 DPI.

Suppliers from outside Europe and the US are also starting to make an impact. Chinese company Shenzhen Handway has launched the LabStar330 drop-on-demand digital press with a print speed of 100m/min and resolution of 1,200 x 1,200 DPI. The press is available in 4-7 colors including optional white and spot color. Print width is up to 50mm (13.7in). The company is currently exploring hybrid options. Another Chinese supplier, Spande – long-time agency for Pantec – is launching a sophisticated hybrid press with automated print pressure setting in partnership with Domino.

Although we have long predicted the impending consolidation of the digital print sector, it seems that hybrid is opening up a range of niche options for new suppliers, suggesting the vibrancy of this fast developing sector still has some way to run.



Read coverage of Labelexpo Americas 2018 in L&L issue 4. Labelexpo Europe returns to Brussels in September 2019. [www.labelexpo.com](http://www.labelexpo.com)

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*The Automation Arenas in Labelexpo Europe 2017 and Labelexpo Americas 2018 attracted around 2,500 visitors*

# AUTOMATION AND ARTIFICIAL INTELLIGENCE

MIKE FAIRLEY OUTLINES THE OPPORTUNITIES AND CHALLENGES FOR AUTOMATION AND ARTIFICIAL INTELLIGENCE IN THE LABEL AND PACKAGE PRINTING INDUSTRY

Almost every day our homes and daily lives are getting smarter, becoming more intelligent and getting ever more automated – to a large degree without us actually understanding or knowing how it is all taking place.

Whether it is the use of smart phones, smart meters, automated payment systems, travel ticketing, navigation, search engines, online assistants (Alexa and Siri), self-driving cars or lawnmowers, smart lighting, social media apps or just ordering an Uber, all are impacted to some degree by artificial or machine intelligence, automated processes and smart technology.

The label and packaging industries are not immune to such advances. Each year sees new evidence of how artificial (machine) intelligence and automation of workflows, processes and systems is changing the way the industry performs, improving efficiencies, reducing lead times and wastage, enhancing quality inspection, and better serving its brand, retail and other customers.

Visitors to Labelexpo Europe 2017 and Labelexpo Americas 2018 cannot fail to have seen how many booths were showing equipment or systems for automating various press operations, unwinding, slitting and rewinding machines and other types of finishing or end operation equipment, the pre-press processes and proofing operations, or workflow automation managed by increasingly sophisticated MIS.

## High level of interest in Automation Arena

Indeed, such is the interest by the industry in what is taking place, that over the last two Labelexpo shows some 2,500 visitors have attended the Automation Arena demonstrations of the automated label, shrink sleeve and package printing plants of tomorrow – with a level of automation, machine intelligence, performance and profitability never before attempted.

The overall aim of the Automation Arenas has been to show converters that with the latest integrated workflow technology and machine intelligence it is now easier than ever to automate and process many more jobs in the same throughput time, with fewer errors, with 100 percent quality and barcode inspection, incorporate automated press and finishing set-up, and all with the same number of employees.

At the most recent Labelexpo Americas show there was a unique collaboration between 14 key label industry suppliers, with a Cerm Management Information System (MIS) as the central hub. A global provider of business management and automated software for both traditional and digital label narrow web converters, Cerm teamed with international industry partners to develop end-to-end automation solutions for self-adhesive labels and shrink sleeves that now cover the entire value chain.

During the automation demonstrations, the Cerm MIS was

seen processing and managing the whole automated workflow, integrating with an Esko Software Platform supporting end-to-end label workflow. This platform firstly changed the selected digital label design being produced on Avery Dennison self-adhesive labelstock printed on a Xeikon LDU digital press – and personalized the artwork with the customer's name, created rules for inspection, and initiated a proof for customer approval – followed by calling-up the shrink sleeve graphics and plates for printing on an MPS EF-APC UV flexo press.

The Esko Software Platform 18 being demonstrated provided a comprehensive set of software solutions for design and pre-press, workflow automation, color management, and supply chain collaboration. With a focus on cost control and productivity optimization, the platform supported an end-to-end workflow with hyper realistic 3D viewing, also on mobile devices, web collaboration, PDF editing, content management, and quality assurance tools all providing a sophisticated user experience.

#### Digital printing, laser cutting and inspection line

Once approval of the label and barcode was received back from an audience selected 'customer,' files were sent from the Esko Software Platform to a Xeikon X-800 digital front end, in turn integrated with a Xeikon LDU laser die-cutting unit that was able to 'needlessly' switch over between two jobs.

The Xeikon LDU applied a Flint Group Digicoat GP gloss varnish, laser die-cut, slit and rewound the labels, enabling frequent job changeovers with limited or no set-up time. Integration with the Xeikon Front-End via the Vectorizer module provided step and repeat and printing, with AVT 100 percent automation inspection files, job identification and die-cutting, and finishing barcodes for the in-line laser die-cutting, slitting and turret rewinding. The finished rolls off the press were barcoded for roll identification of the finished product.

A Matho Cuttobag CB-100.1 waste management system on the Xeikon press was used to cut, transport and collect the production waste into a waste disposal system, while cores for both presses were being cut on a WLE fully automatic core cutter. The cutter read a barcode from a label printed on a label printer close to the cutter. This requested job cutting instructions from the MIS, while the label was reused to identify the cores per job.

#### Non-stop UV flexo sleeve printing

With the Xeikon press set-up and running, the MPS EF-APC operator was already reading his MIS-generated job ticket on screen, enabling him to check that plates, tools, inks and substrate had been delivered, and changing the unwind roll using a Kocher + Beck UR Precision U440 butt splicer. This highly innovative technology featured a fully servo-driven unit with intelligent Data Link communication features, providing non-stop press operation and increased throughput. Because it was a reprint, the MIS provided the press with the appropriate set-up file stored, avoiding any search time lost by the operator.

Each roll loaded was scanned and became fully traceable throughout the whole process, interacting with the Cerm system

in order to provide real-time production values. A Cerm inspection command was also sent to AVT's automatic 100 percent print inspection system for detection of spots, streaks and color on each print deck – providing fully connective technology ready for Industry 4.0 implementation – which registered any defects during printing,

but at this stage did not act on them.

Especially designed for labels, sleeves and flexible packaging production, the MPS EF-APC press operated with no gear cylinder connection, intelligent pressure-setting and zero waste roll change, and featured UV, hot-air and LED drying technology, enabling users to print on a wide variety of substrates, including

thin film, paper, carton board, shrink sleeves, in-mold, tubes and flexible packaging. It printed on a Klockner Pentalabel shrink film using Zeller + Gmelin's 32 Series Nuvaflex range of UV flexo inks developed specifically for sleeve production.

Next to 'standard integrated' machine automation, the EF-APC also offers an automation package for further extended (additional) print automation: the APC Package provides automated servo control of all relevant press settings. The package can be configured for the ultimate in print setting control to further increase productivity on the EF press. Automation extends to sleeve seaming and finishing.

#### Automation extended to sleeve seaming and finishing

Printed rolls coming off the MPS press were identified with an ID barcode generated by the MIS which, when scanned, enabled an electronic instruction file to automatically set-up shear slitting on a Grafotronic H12 high-speed inspection slitter rewinder, as well as providing the location for any bad products according to AVT scanning instructions.

An AVT camera on the Grafotronic automatically stopped the machine whenever a defective label was detected in the printed reel so that any necessary repairs could take place. The final, 'clean' and slit roll was then rewound and a barcoded label applied to the reel. As this roll transferred to an AccraSeam FC fully continuous shrink sleeve forming and seaming machine, equipped with a fully-automatic table with seam positioning, the barcode was scanned and the instruction

*“Over the last two Labelexpo shows some 2,500 visitors have attended the Automation Arena demonstrations of the automated label, shrink sleeve and package printing plants of tomorrow”*





file from the code read and used to automatically set-up the forming and seaming operation.

After set-up, forming, seaming and rewinding of the, now, lay-flat shrink sleeve web, the Accraply ASFC wrote a log file and created a barcoded label which was applied to the lay-flat seamed roll coming from the seamer. This barcode was, in turn, then used to identify and provide file information as the seamed roll was transferred to an Accraply DM12 Shrink Sleeve Inspector, a compact vertical seaming inspection machine used for lay-flat quality checking.

The DM12 inspected for seam integrity, solvent presence, lay flat and for any splicing/flag detections, enabling any bad sleeves to be thrown out before rewinding the lay-flat 'clean' web. At the end of the quality check the Accraply system provided a printed report for each roll that gives the customer all the necessary QC information required.

Final rolls carrying barcoded identity information, whether from the Xeikon or the MPS/Accraply production lines, were scanned into a warehouse location, a picking list prepared through the Cerm MIS, a delivery note printed, and e-mail notification sent to the customer and invoicing launched. All of the production data is permanently collected by the MIS and presented in a Smart Business Intelligence system, whether it is about sales, production or profitability.

#### Ongoing automation developments

While the Automation Arena demonstrations provided an exciting glimpse into tomorrow's automated label plant, other Labelexpo exhibitors were also busily taking further automation steps. Ink logistics provider GSE, for example, showed enhanced ink management software that enables converters to minimize ink-related waste, providing improved ink yields, enhanced reporting and reduced set-up times.

Color management workflow technology from Baldwin also now automates the process of delivering absolute consistency from press-to-press, shift-to-shift, and plant-to-plant. Reporting tools enable quality managers to deliver full production overviews to print buyers and brand owners.

Another interesting development has been the acquisition of Blue Software by Esko. This is targeted at further reducing time-to-market, cost and quality risk in the end-to-end label and packaging chain. Software and hardware systems now digitalize, automate and connect the whole label and packaging and development chain, from virtual 3D design concept all the way to printed, finished and labeled packs and in store displays.

Put together the Automation Arenas, Label Academy 'MIS and workflow automation' text book and Master Classes, plus new industry vendor advances, are rapidly taking the industry into a new level of machine intelligence and automation that offers the possibility of providing new and unprecedented levels of service to brand owners, retailers and other customers.

What is now in sight is the ability to take a brand owners materials specifications, label or pack compliance, BRC, ISO and QC requirements, sustainability demands, etc, and bring them all into one automated label production and workflow system that will automatically print and then generate all the necessary compliance or sustainability certification documents to be automatically sent to the customer when the job is shipped.

Such certification might include materials FSC or recyclability, color match and color consistency, printability tests undertaken,



*“Almost every day our homes and daily lives are getting smarter, becoming more intelligent and getting ever more automated”*

UV ink cure, materials run, ink and substrate wastage, percentage waste sent for recycling, exact finished label count, 100 percent label inspection, and much more.

#### A need for standards and protocols

However, to get to this stage, more industry vendors will undoubtedly need to be brought into the automation process. There also seems to be a need for a more specific common label industry JDF/JMF language, standards and protocols; a requirement for 'interoperability conformance specification' with 'best practices' between the two parts of the workflow (eg between MIS and pre-press); and maybe a certification process to guarantee the level of the solution supplier (and not having to discuss every time).

Why is this needed? Well, at the moment, not all label industry vendors are CIP4 members and/or do not use a JDF standard. Maybe the label and package printing industry suppliers need to establish their own JDF forum or workgroup to discuss the pros and cons of JMF as it specifically relates to the label and package print sectors, review the new XJDF proposals and how they relate to the industry, and see if they need to be even more simplified, modified or to become more complete.

Yes, there is a standard already for the graphical industry, but if more label and package printing materials, equipment and systems suppliers were to become involved in study and work groups, then the industry can become even more creative in the future.



Read more from Mike Fairley at [www.labelsandlabeling.com/contributors/michael-fairley](http://www.labelsandlabeling.com/contributors/michael-fairley)



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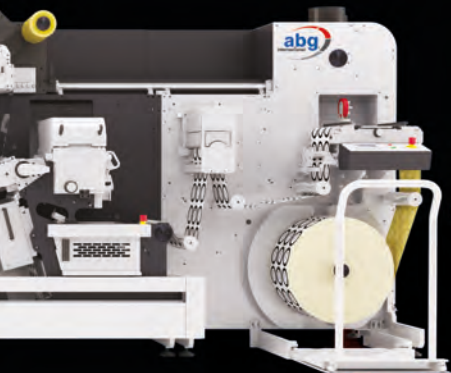
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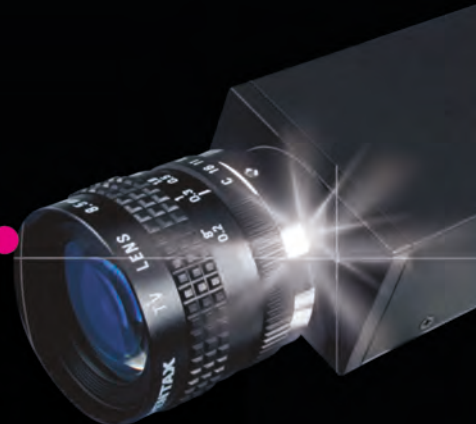
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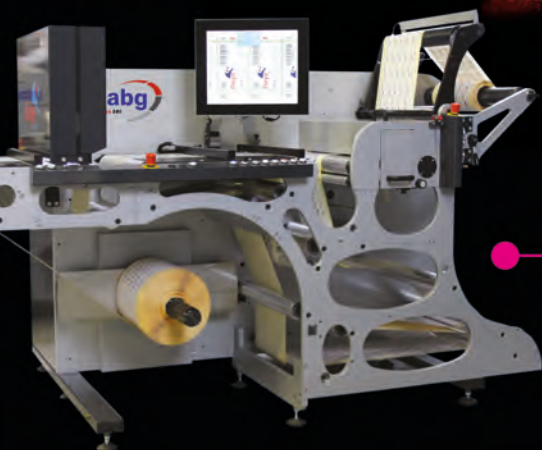


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Artist Benjamin Von Wong created art to depict the plastics pollution in our oceans

# CIRCULAR ECONOMY AND LABEL MATERIAL SELECTION

WHAT'S HAPPENING IN PLASTICS RECYCLING SHOULD DRIVE MORE RELEVANCE IN SELECTING A LABEL MATERIAL TO BEST SUIT CIRCULAR ECONOMY OBJECTIVES, WRITES DANIELLE JERSCHEFSKE

.....

Increased awareness about plastics pollution, particularly related to our oceans, has catalyzed a renaissance in the demand for a cradle to cradle, or closed-loop, packaging infrastructure. With systems as they currently stand, and products and packaging designed to be thrown away, pollution is inevitable.

Post-consumer plastics must be successfully recoverable through a viable infrastructure and have a valuable end-use in order to move to a closed-loop Circular Economy. Also imperative is a steady supply of post-consumer content with a consistent quality grade.

Current global recycling rates for plastics are low, with 14 percent collected and ten percent effectively recycled, according to the World Economic Forum. In the US, the rate for PET is just over 29 percent in 2017 according to NAPCOR's (National Association for PET Container Resources) most recent data. These rates of collection need to improve, and such is the intention of SPC's on-pack How2Recycle label, informing consumers on how best to dispose of their used single-use containers. Improved quality can be achieved by taking a holistic approach to packaging material selection, including the label construction, understanding what's available on the market and using verified data to guide adoption at concept and design stages.

Proper end-to-end infrastructure with ample capacity, and positive material value, are the most cumbersome barriers to a closed-loop plastics economy. The first step in knocking down these barriers is an agreed, common set of standards and shared definitions across the value chain.

## Harmonized definition of plastics recyclability

Plastics Recycling Europe (PRE) and The Association of Plastic Recyclers (APR), two of the leading international organizations representing plastics recyclers, have developed a global definition governing the use of the term 'recyclable' as it relates to plastics packaging and products. PRE and APR consider a product recyclable when it meets the following four conditions:

1. The product must be made with a plastic that is collected for recycling, has market value and/or is supported by a legislatively mandated program

2. The product must be sorted and aggregated into defined streams for recycling processes
3. The product can be processed and reclaimed/recycled with commercial recycling processes
4. The recycled plastic becomes a raw material that is used in the production of new products

This definition of recyclability is intended to be the foundation for establishing a Global Plastics Protocol to provide a common target, to overcome existing fragmentation and to enable the creation of effective markets. The Global Plastics Protocol is part of the New Plastics Economy initiative which has grown to include 250 signatories to its Global Commitment across government, NGO and value chain stakeholders. The New Plastics Economy Global Commitment aligns signatories to work towards a broad set of goals to reduce plastics pollution: eliminate problematic or unnecessary plastic packaging, and move from single-use to reuse packaging models; innovate to ensure 100 percent of plastic packaging can be easily and safely reused, recycled, or composted by 2025; circulate the plastic produced by significantly increasing the amount of plastics reused or recycled and made into new packaging or products.

Ton Emans, president of PRE, explains: 'We need the appropriate audiences to understand what is necessary to label a product or package "recyclable". We have seen many announcements regarding legislative measures on plastics products and pledges by the industry committing to making products recyclable. We welcome these commitments and encourage others to follow using this harmonized definition as a guide to reach our global objectives.'

APR endorses the New Plastics Economy Global Commitment. Steve Alexander, president and CEO of APR, says: 'We look forward to working with the committed companies to create a "new normal" for plastic packaging that embraces recyclability.'

## 'New normal' material selection

SPC's How2Recycle labeling system directs packaging disposal behavior at a consumer level, and instructs packaging decision



**TLMF renames environmental award in honor of Calvin Frost**  
TLMF's Environmental Leadership Award has been renamed the Calvin Frost Environmental Leadership Award.

Calvin Frost, founder and chairman of Channeled Resources Group, has been the driving force on sustainability in the label industry since the 1970s. When asked how perception on business and the environment has changed over the years, he says: 'For the first twenty or so years, it was lip service and not a priority. We were crying on deaf ears. In the last 15 years, there has been a shift. The consumer is concerned about recycling, is eager to learn best practices, and wants to reward businesses that support their values; the major brand owners recognize the shareholder value, and are now sincere and committed.'

'In order to be truly sustainable, concerned decision makers need to make a commitment, accept the financial implications with driving change and invest to improve. Logistics has always been a real problem when it comes to packaging waste or liners. Better systems need to be established to achieve zero landfill objectives.'



**Unilever's Love Beauty and Planet brand used  
APR Design Guide to select label material**

makers on choices that can be made in design and material selection to improve material recovery volume and end value. The SPC is aligned with the APR Design Guide when it comes to plastic recyclability, and where labels can help or hinder the recovery impact of the overall packaging.

APR testing protocols and the APR Design Guide for Plastics Recyclability are tools brand owners can use to help make the best label material selection to improve the quality of post-consumer plastic materials. These resources are referenced in the article What How2Recycle means to our industry published in L&L issue 4.

There are a handful of roll material labelstocks available with an adhesive chemistry that meets APR preferences to deliver the cleanest PET flake, efficiently removing label material from plastic particles in the caustic bath of the recycling process. Currently, the adhesives are available on a few key facestocks and liners, have limited performance parameters, are intended for clear PET only, and typically come at a higher cost – yet there is advancement.

Early adopters, including Unilever's Love Beauty and Planet brand, are using second generation adhesives, while the third iteration is already in development. Roll material manufacturers continue their investment in research and development of recycle-compatible PS material constructions including facestocks that float and advanced adhesives because the market continues to ask for more.

While adoption has been slow thus far, the How2Recycle label is turning into a key influence for CPGs and retailers updating their corporate recyclability goals. More and more SPC member companies are incorporating recyclability into performance reviews which is unlocking motivation inside of decision makers to advance and drive change.

In time, it's anticipated that the labeling scheme will drive recyclability of a PS label adhesive to be just another principle when it comes to material characteristic required, such as performance, durability and application speeds. In this way the label industry is leading the way to drive a 'new normal' in providing a reliable, consistent stream of quality post-consumer recycled (PCR) plastic into the market.

### Market value

For decades, China has been the largest importer of packaging waste, collecting more than 45 percent of the world's post-consumer plastics. Other developing nations, too, have historically imported plastic waste from Europe and North America.

Starting on January 1, 2018, the flow of our international waste market was greatly impacted when China enacted its National Sword policy, effectually ceasing to accept millions of tons of used packaging – paper, plastics, metals and more. Other Asian countries have tried to accept the demand overflow, to no avail. Their infrastructures do not have the capacity to meet the volume.

This situation has created what some are considering to be a perfect storm for driving wider development of a Circular Economy for post-consumer plastics. Now that the EU and US have lost its largest importer, there's an influx of PCR plastic in the regions and great need for improved collection and processing infrastructures. Is it possible to hit restart on the existing systems so that products and components are designed to be taken apart and regenerated positively?

The Circular Economy concept is nothing new. Braungart and McDonough published Cradle to cradle (C2C) in 2002, and Life Cycle Analysis as a tool has matured greatly across all realms of manufacturing and product development as a means to shift to a more waste-free, closed-loop trade environment. However, this type of analysis does not include landfill or litter impact, so there's more work to be done.

The idea of growth decoupled from resource constraints sounds promising, but maybe a little too optimistic in application. Would a Circular Economy be able to soften or even offset the slew of raw material price increases our industry has experienced in 2018? Either way, while there's progress, there's still plenty of groundwork involved before it's a viable business solution.

According to research conducted by the World Economic Forum, if improvements were made both to packaging design and to the systems for managing plastic packaging after use, 50 percent of plastic packaging could be profitably recycled. To lead improvement in profitable plastics recycling, the value chain must drive increased demand for post-consumer recycled content material, and APR is working on this. As this happens, the value stream can continue to count on the development of new label materials and continued collaboration towards this common cradle to cradle goal.



*What How2Recycle means to our industry, published in  
L&L issue 4 [www.labelsandlabeling.com/opinion/what-how2recycle-means-our-industry](http://www.labelsandlabeling.com/opinion/what-how2recycle-means-our-industry)*

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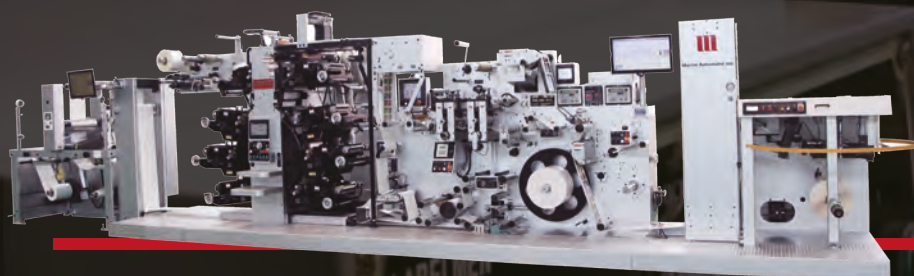
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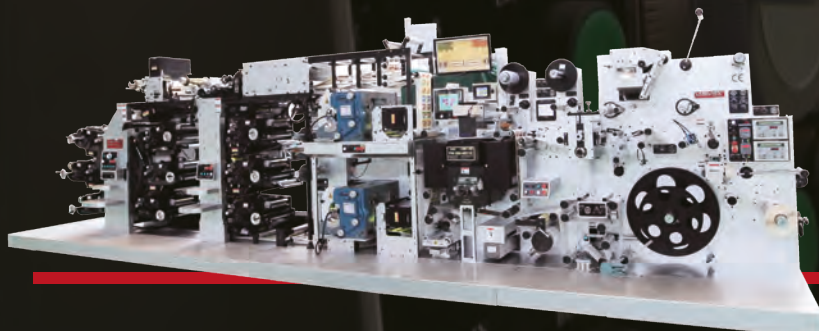
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# REGIONAL ROUND-UP: EUROPE

THE EUROPEAN LABEL MARKET HAS FULLY BOUNCED BACK FROM THE FINANCIAL CRISIS, AS ANDY THOMAS-EMANS REPORTS



A key indicator of the health of the European label market is provided by Finat's annual labelstock trends report, and the final figures for 2017 and early 2018 paint an encouraging picture of continued growth.

Total consumption of PS label materials in Europe increased by a healthy 4.7 percent in 2017 – the most recent period we have full figures for – representing an average growth of 5.4 percent since 2013.

Filmic rolls continued their growth at the expense of paper, now forming 26 percent of total demand, compared to just 15 percent in 2000. The growth rate of filmics in 2017 was 8.2 percent, double that of paper rolls, while sheet PS materials continued their longer term decline.

Eastern Europe continues to be the European PS powerhouse, accounting for 22 percent of PS volume – almost double the figure for 2003. South and southeastern Europe were the fastest-growing label markets in absolute volume between 2010 and 2017. During this period all European markets added 1.6 billion sqm of annual consumption, amounting to a growth rate of over 28 percent.

The potential for further growth is clear, since the top 15 label markets in Europe still accounted for 95 percent of total consumption in 2017.

## Wider trends

Every year Finat also commissions a study into wider European industry trends (the Radar report), and the findings of the full 2017 survey were presented during the Finat congress in June. A key finding is that brand owners remain positive towards PS labels, planning a 3-5 percent increase in spend, although there is a continued migration to shrink sleeve labels in food, personal care and household chemicals. Almost one quarter of the end user sample stated their intention to move to shrink.

Other key end user trends include a preference for more complex labels – mirroring the fact that most new flexo presses are now built to order. Non-prime labels are increasingly functional or 'smart'.

Specific sourcing of digital labels is still not a priority for food and beverage brands, though there are indications this could change, with digital label procurement forecast to grow by over 7 percent.

Eastern Europe remains the preferred region for label sourcing, but Africa has now appeared on the radar for the first time.

The highest growth sectors – at over 5 percent – include automotive, consumer durables and industrial chemicals, while pharma, HABA, food and household chemicals slowed compared to 2016.

Turning to productivity, the report concludes that European label industry employees generate an average of €173,000 turnover per person, and total sales of between €110,000 and €210,000.

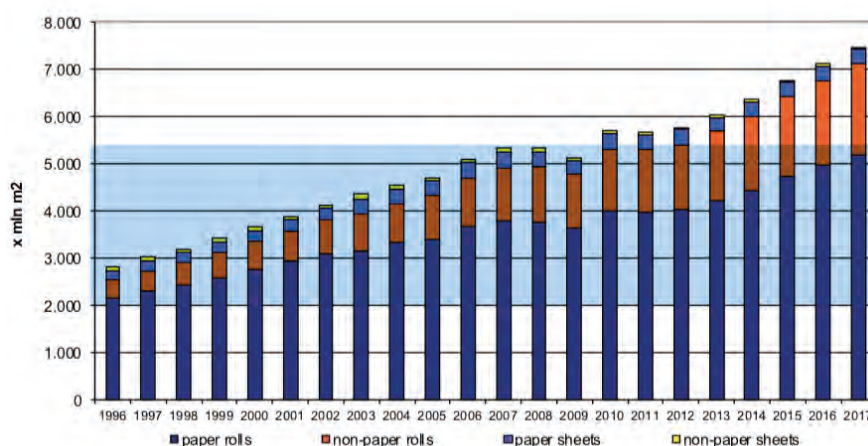
A new category in the Radar report is the amount of running waste produced during a job, excluding matrix waste. The average wastage figure across Europe is 5-10

percent, with the highest figures in southern and eastern Europe (8-9 percent).

The Radar report showed almost one fifth of the converters surveyed were already producing flexible packaging, a 3 percent year-on-year increase. Around one third of the sample were also printing shrink sleeves. In the category of flexible packaging, not including sleeves and stand-up pouches, there was an astonishing 14 percent year-on-year increase to 27 percent, with a further 8 percent 'very interested' in entering the flexpack market.

These figures are confirmed by Labelexpo visitor figures for the last three European shows. Labelexpo asks visitors if they have responsibility for buying flexible packaging-related products, and the number of affirmative answers increased from 37 percent in 2013 to 43 percent in 2017.

European consumer trends all point towards increasing opportunities for label converters in the flexible packaging and shrink sleeve segments: smaller pack sizes for smaller households; single serve and eat-on-the-move products; more varieties and pack customization.



Growth of European PS labels industry by material type (source Finat)

### Digital trends

Finat has also launched, through the LPC consultancy, a Digital Press Index to track installation trends in Europe in the broad categories of toner and inkjet/hybrid.

According to LPC's figures, digital printing now represents 10.5 percent of new press installations in Europe. Out of the 2,300 digital presses installed in Europe, LPC says 71 percent are currently toner-based and 29 percent inkjet/hybrid. Figures collected by LPC for press installs in 2017 show that 59 percent of the 300 digital presses sold in Europe were inkjet/hybrid.

When Finat surveyed converters' buying intentions for its Radar report, an equal number were aiming to invest in conventional flexo and digital presses. Of those investing in digital, one third intended to buy toner presses and 58 percent inkjet, of which 21 percent chose hybrid.

Looking into what converters intend paying for these digital presses, almost one quarter of the sample will be investing €1m-1.5m – firmly into more advanced flexo press territory.

Turning to European brands' attitudes to digital print, LPC finds that almost one third of its sample are 'true believers' in digital – they have fully integrated digital print into their marketing and logistics operations. Another 20 percent are 'unconvinced users', who have had some success with digital but are held back by higher costs from migrating more products from flexo.

Brands not yet using digital LPC breaks into 'optimistic' and 'pessimistic'. The former represent 35 percent of the sample, and are convinced that at some point digital will work for their organizations; the pessimistic 15 percent simply believe that digital is too disruptive to their working methods and supply chains, despite understanding the technology.

### Consolidation

Consolidation continues to affect the European label industry, both among suppliers and converters.

The most significant European consolidation involved leading Italian package printing group Nuceria joining forces with All4Labels to boost the group's global reach. Through the merger with Nuceria, the All4Labels Group hit a total turnover exceeding €500 million from 29 production facilities across the globe, including the former Rako and X-Label

Sales Growth Averages for European Converters: 2013-2016						
Region	2013	2014	2015	2016	2017	Average 2013-2017
Eastern Europe	7.2%	10.1%	10.5%	10.5%	8.6%	9.4%
Uk/Ireland	5.3%	9.9%	9.8%	13.2%	11.1%	9.9%
All Regions	5.7%	6.7%	8.4%	8.3%	6.5%	7.1%
Central Europe	5.2%	4.0%	9.5%	5.5%	2.5%	5.3%
Southern Europe	4.5%	5.7%	7.6%	8.1%	7.3%	6.6%
Scandinavia	4.2%	8.5%	-1.3%	4.3%	4.5%	4.0%
Source: LPC, Inc. FINAT RADAR						
*Data taken from FINAT converters						

*Sales growth average of European converters (source Finat)*

operations in Europe.

Antonio Iannone, founder and managing director of Nuceria Group, takes responsibility for the group's Italian operations, while Guido Iannone, general manager of Nuceria Group, became a member of the All4Labels global management board and with responsibility for one of the global sales business units.

With its headquarters in Hamburg, Germany, All4Labels was founded in 2016 as a global platform for family owned businesses 'which share the vision to develop sustainable packaging solutions in a global context, while retaining the flexibility and strength of an owner managed business.'

One of the UK's leading label converting groups, Reflex Labels, ramped up its acquisition program, adding Sherwood Packaging, MP Logistics, Barcode Tech and Kingsway.

St-Luc Labels & Packaging, headquartered in Nazareth, Belgium, took over Pharmedel, a Dutch pharmaceutical label specialist, to enhance its one-stop-shop offering. The takeover means St-Luc Labels & Packaging now has four branches in three countries: St-Luc Labels & Packaging (labels, shrink sleeves and flexible packaging) in Belgium, Microbox (folding carton) in France, and Altrif Label (labels and booklets) and Pharmedel (pharmaceutical packaging) in the Netherlands.

On the supplier side, the biggest announcement was the Mark Andy acquisition of Presstek. Although not strictly a European transaction, it did involve the integration of Presstek's UK-based headquarters and demo center into Mark Andy's European organization.

Global Graphics, meanwhile, was acquired by Congra Software, the parent of Hybrid

Software. Global Graphics is headquartered in Cambridge, UK, and develops platforms for inkjet print systems. Both companies were already co-operating closely, with Guido Van der Schueren the controlling shareholder of Congra and chairman of the board of Hybrid Software. Since May 2014 he has also acted as chairman of Global Graphics.

### Sustainability

A key sustainability development in 2018 was the European Union's adoption of the Circular Economy package, which aims to 'close the loop' of product lifecycles through greater recycling and reuse. Although not targeted the label industry directly, there are clear implications for labeled packaging.

Member states will be required to ensure that, as of 2030, waste suitable for recycling will not be sent to landfill, and that by 2035 the amount of municipal waste disposed of in landfills will be reduced to 10 percent or less of the total amount generated.

The directive includes measures 'to encourage the development, production, marketing and use of products suitable for multiple use that contain recycled materials, and that are, after having become waste, suitable for re-use and recycling.'

An amendment to the Packaging Waste Directive aims to increase packaging waste recycling, including encouraging an increase in the share of reusable packaging placed on the market. By the end of 2025 (and 2030), at least 65 percent (2030: 70 percent) by weight of all packaging waste must be recycled, including 50 percent (2030: 55 percent) of plastic.



For more info about Finat's Radar report, go to: [www.finat.com/pages/finat-radar](http://www.finat.com/pages/finat-radar)



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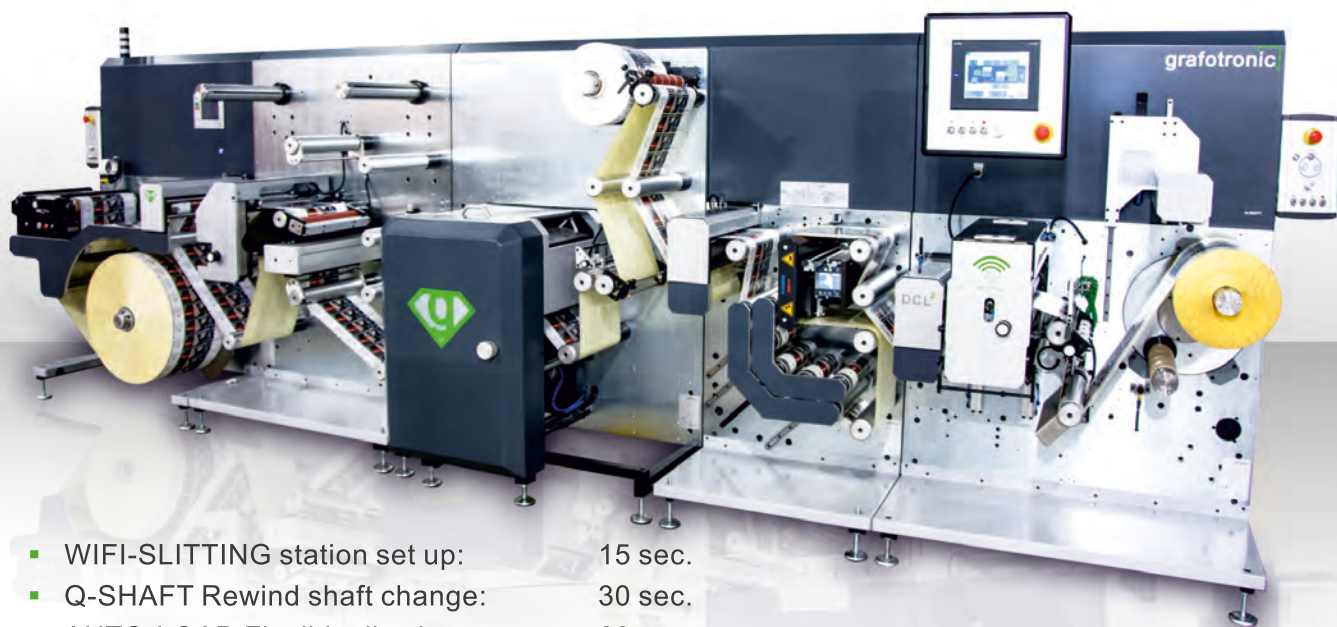
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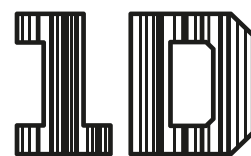
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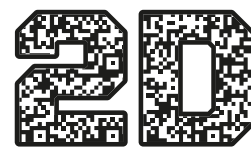
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# REGIONAL ROUND-UP: NORTH AMERICA

CHELSEA MCDUGALL ANALYZES  
THE LATEST TRENDS AFFECTING THE  
NORTH AMERICAN LABEL MARKET



Traditionally, the biennial Labelexpo Europe tradeshow is the place for technology innovations to be unveiled to the world. But as we saw at Labelexpo Americas 2018, that's not entirely the case anymore.

TLMI president Dan Muenzer hit it home with his comments about the Americas show in September: 'You can't wait two years to innovate. Innovation happens between Labelexpos.'

Indeed, that was the case at Labelexpo Americas 2018, an event where 487 exhibitors showed their latest developments across the largest show floor space ever. Early indication was that visitors were not just window shopping, but making deals, and they likely would continue to make capital equipment purchases heading into 2019. A Labelexpo attendee survey found that 53 percent of visitors planned to buy equipment seen on the show floor within the next six to 12 months.

What visitors saw at the trade show was booth after booth of technology developments that are moving the industry toward greater automation, hybrid printing and flexible packaging production.

## Growth of hybrid, automation

Industry 4.0 technologies are driving the entire label converting supply chain towards greater efficiencies, and that will continue in the coming year.

While digital packaging production continues to grab headlines, the conventional machine manufacturers have upped the ante, building machines that are getting more efficient and smarter.

Michael Lane, CEO of Meyers Printing Company, told L&L: 'Necessity is the mother of invention. A few years ago, we were looking at digital solutions, and today the flexo manufacturers have really upped their game and engaged with digital. Every one of these press manufacturers that I've seen at the show are offering simpler solutions from an operation standpoint.'

Some conventional press manufacturers have embraced digital, either by adding their own digital engines, as Mark Andy and Nilpeter, or partnering with a digital press manufacturer to add a digital unit to their flexo press line. Omet and Durst, and MPS and Domino were examples seen at Labelexpo. Bobst has opted to focus more on automation and IoT integration, which the company told

L&L can compete with short run digital jobs.

The further development of hybrid presses and interest from the North American market is likely to continue. Some industry experts predict hybrid label production to grow by 13 to 14 percent in the coming years.

A TLMI members survey found that 22 percent planned to buy a hybrid machine between by 2020. By comparison, 69 percent said they would buy a flexo machine, and another 69 percent said they would buy digital.

## The rise of flexible packaging

North American label converters are moving into flexible packaging production at a rapid pace. As flexible packaging run lengths decrease, this creates problems for wide web converters who are traditionally manufacturing these packages. That disruption is creating opportunities for label converters, particularly in short run, small size pouch market.

Demographic and lifestyle factors in North America, including shrinking household sizes, rise of dual-income families and the trend of snacking instead of traditional meals, all promote demand for pouches in small, or single-use size packaging. This favors smaller format presses rather than wide web CI flexo and gravure. Those who have already started producing flexible packaging are seeing the benefits of this healthy market.

Compared to other print segments, the North American label market is an incredibly fragmented landscape. The \$13.6bn USD market hosts some 2,350 label companies. By comparison, the

folding carton market is valued at \$12.9bn USD with about 510 companies; and the flexible packaging industry has about 460 players and is worth \$26.7bn USD.

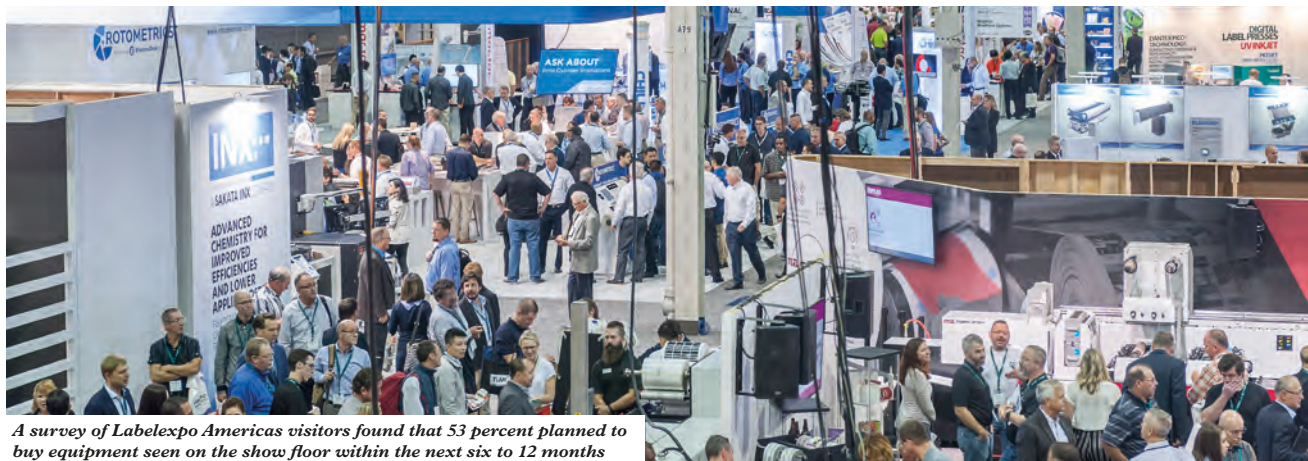
Muenzer, the TLMI president, reported that over the past few years the

make-up of TLMI members has shifted to represent this market change. Previously, 100 percent of converter member profits were from labels or tags. Today, about 85 percent of revenue is from labels and 15 percent of member revenue is from flexible packaging or folding carton.

## Workforce challenges

Another yearbook edition and the same challenges plague the

*"Visitors to Labelexpo Americas saw technology developments that are moving the industry toward greater automation, hybrid printing and flexible packaging production"*



A survey of Labelexpo Americas visitors found that 53 percent planned to buy equipment seen on the show floor within the next six to 12 months

label industry in North America. Though this industry is not alone in struggling to hire and retain employees, it seems we're short on solutions.

A key talking point for furthering automation is not only increasing efficiencies on press lines, but also the limited human intervention needed. As fewer workers are available to run these presses, the industry is no doubt looking at automation as a bright spot in an otherwise dim job outlook.

Consider the challenges here: 40 percent of North American flexo converters have difficulty filling jobs, and more than half say it's impacting the ability to meeting client needs.

Further, the workforce is aging. Eighteen percent of press operators are at or approaching retirement age and only 7 percent of the press operator workforce in the US is under 25 years old, according to the US Bureau of Labor Statistics.

More than 50 percent of the global population is under 30 years old, and by the year 2020, 46 percent of the workforce will be made up millennials. The unfortunate truth is that millennials aren't looking at jobs in manufacturing.

Technology is changing the way companies and employees think and operate, and it's forcing label and packaging converters to get creative with their recruitment strategies. Culture and workforce development is a topic at nearly every industry event, including Labelexpo, and that looks likely to continue.

### Government regulation

Tax cuts that have benefited many US label companies have an uncertain future. Passed in late 2017, and taking effect in January 2018, were permanent tax cuts for corporations, and a temporary reduction on taxes for sole proprietorship businesses, better known as s-corporations or pass through entities. Many label companies fall into the latter category of businesses benefitting from a reduction on business income taxes.

However, mid-term elections loomed in the US at the time this issue went to press, so the future of those tax breaks is uncertain. Expect more articles on the government regulation in future issues of L&L.

The permanent tax breaks awarded to major corporations were more controversial at the time they were passed. What this next Congress will do with that measure remains to be seen. The next

Congress could also seek to make permanent the tax benefits afforded to small and medium-sized companies.

Bryan Vickers, TLMI's government affairs liaison, says: 'While there's an appetite to do that, there's a cost associated, and how they're going to pay to extend the tax benefits provided remains a challenge. Everything saved in terms of tax cuts has to be offset somewhere else.'

Tariffs on Chinese goods are another uncertainty facing many label industry suppliers and converters. The Trump administration used a broad brush to apply tariffs to products. It's creating

the environment for a trade war with China, and uncertainty in the label industry. Products from China subject to tariffs include leuco dye (used in the manufacture of thermal papers), uncoated testliner and paper and paperboard for used by the graphic arts sector, Vickers said. 'Unfortunately there's no indication that the administration is going to back down from that,' he said.

### Growing markets: cannabis legalized in Canada

Experts say the legal marijuana market in North America is growing faster than the dot-com era in the early 2000s, and that shows no signs of slowing after Canada legalized recreational marijuana in October.

Many Canadian label companies were quick to see the packaging benefits of this burgeoning industry. Edmonton-based Jet Label purchased an HP Indigo 8000 digital press to help it expand further into the legal cannabis market.

Label companies located in US states where legalization has already come into effect are also playing in this market. Many offer packaging samples on their websites, such as Label Impressions of southern California or Colorado-based Lightening Labels.

Arcview Market Research has studied the legal marijuana market and its growth opportunities. According to its reports, the legal cannabis market is worth \$6.7bn USD in the US, Canada and Mexico. At a 34 percent growth rate the market will reach \$22.6bn USD by 2021, according to the Arcview's most recent 'State of the legal marijuana markets' report.

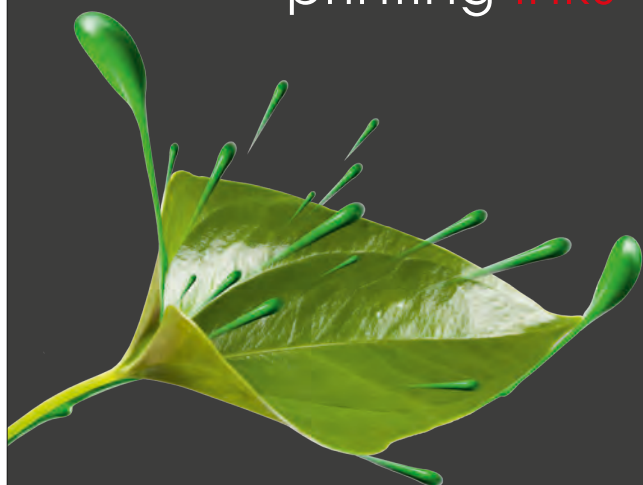


To watch a video of LPC explaining label industry trends, visit <http://tinyurl.com/y8g5q2gu>





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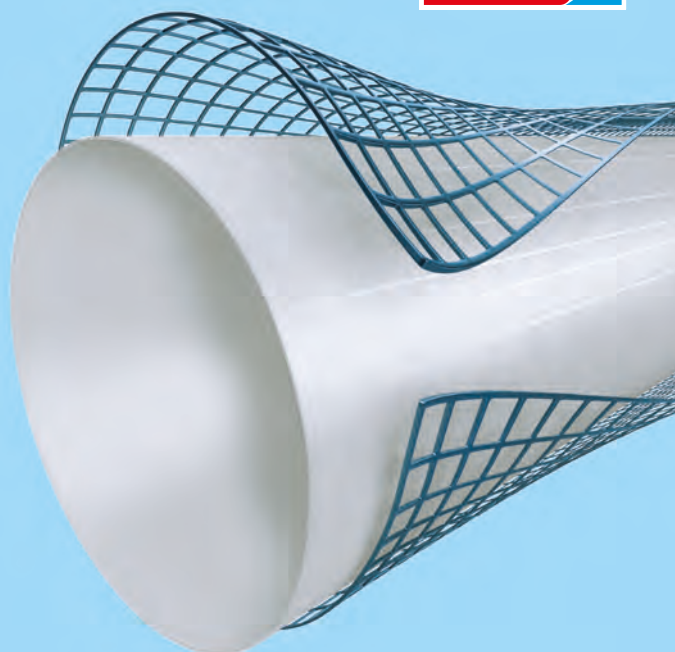


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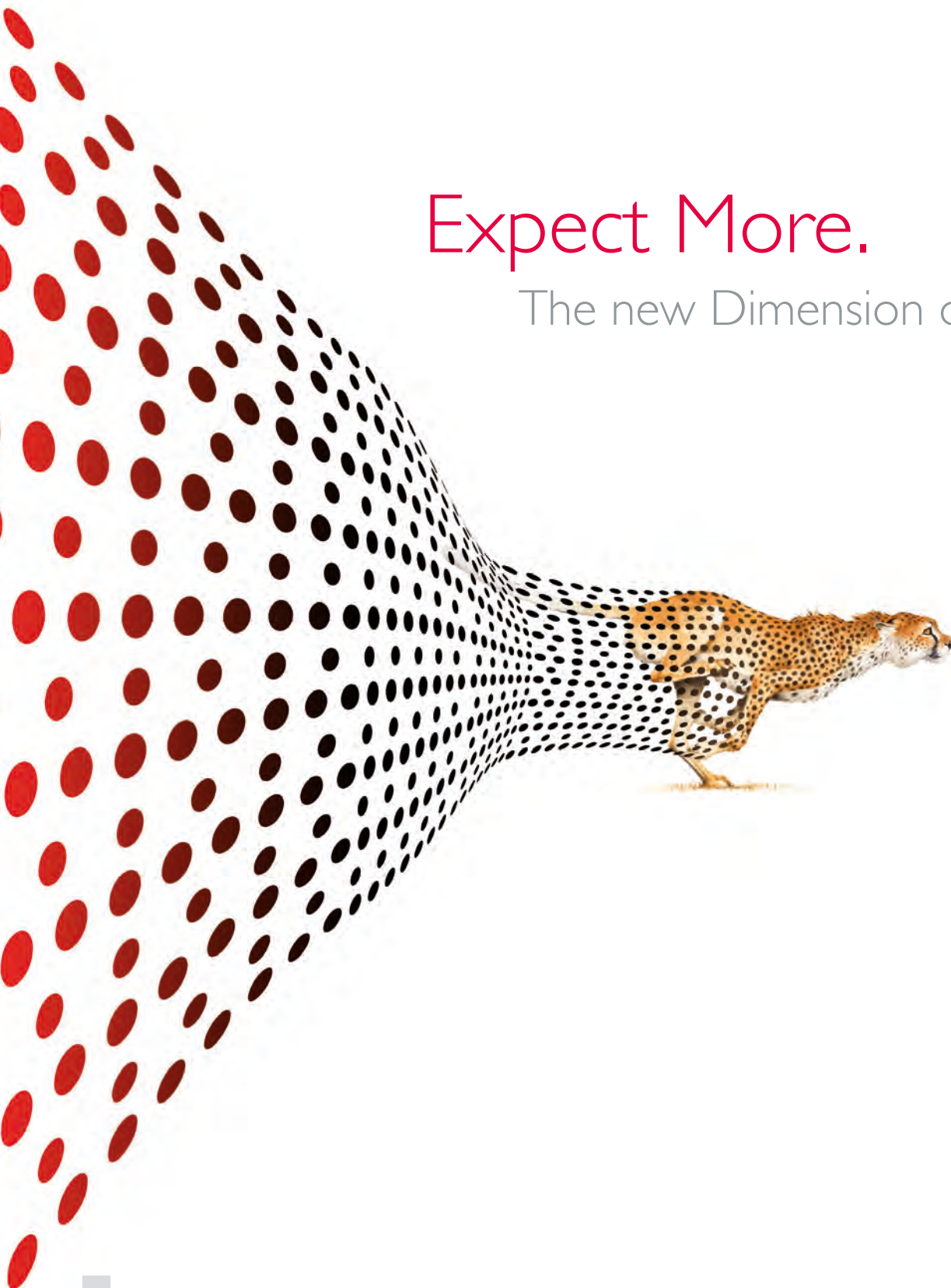
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# REGIONAL ROUND-UP: CHINA

AS GROWTH RATES SETTLE TO A 'NEW NORMAL', THE CHINESE LABEL INDUSTRY IS ADAPTING WITH MOVES TO MORE EFFICIENT FLEXO AND DIGITAL PRODUCTION METHODS. YOLANDA WANG REPORTS



According to the Chinese national bureau of statistics, gross GDP in 2017 exceeded 82 trillion Yuan (US\$11.8 trillion), up 6.9 percent year-on-year and above the growth rate of 6.7 percent in 2016. It is estimated that GDP will grow by 6.5 percent in 2018, so this range represents the 'new normal' for the Chinese economy.

This year marks the 40th anniversary of China's economic reform program. From the updated data provided by National News Publication Bureau, Chinese printing industry output has risen from less than 5 billion Yuan to 1.21 trillion Yuan in 40 years, meaning today's output is approximately 250 times that of 1979. At the same time the number of printing companies has risen from 12,000 to nearly 100,000 – nine times that of 1979.

In 2017, 7,088 printing companies had their licenses revoked, a year-on-year increase of 31.2 percent, while 4,722 printing companies were newly established, a 40.7 percent increase. The inefficient companies were progressively eliminated and at the same time the market's vitality was strengthened.

The average output value of the entire Chinese print industry in 2017 was 428,000 Yuan per capita (US\$61,000), approximately 73 times of that in 1979 and up to half that of developed countries.

Now the structure of the Chinese printing industry is shifting from a focus mainly on quantity and capacity expansion to the simultaneous development of simplified inventory management and efficiency optimization. Innovation and niche development are key values.

## Label industry specifics

According to the latest statistics from the Label Printing sub-association of the Printing and Printing Equipment Industries Association of China (PEIAC), the value of industrial-scale label printing in 2017 reached 43.2 billion Yuan (US\$6.2bn), up 10 percent from 2016. This year-on-year growth rate was higher than that in 2016 (9 percent) and in 2015 (8 percent) and was above the global average. The output of PS adhesive materials was 5.8 billion sqm, with a year-on-year growth of 12 percent – also higher than the growth rate of 2016 (9 percent) and 2015 (8 percent).

Most label printing enterprises in China are located in the Yangtze River Delta, Pearl River Delta and Bohai Rim areas,

accounting for 47, 26 and 22 percent respectively. Others are spread over central China, the southwest and northwest.

Increasing label demand partly originates from traditional industrial products. Statistics from the China National Light Industry Council (CNLIC) show this sector's main business income in 2017 was 24.25 trillion Yuan, an increase of 8.5 percent over the previous year, with profit up at 1.6 trillion Yuan. Around 80 percent of light industrial products need packaging and labels, so the development of these products will inevitably push significant growth in label demand.

Thanks to the popularization and development of internet technology, 'internet+' brings new opportunities for the label industry. Data from the State Postal Bureau of China shows that express volume across the country grew from 1 billion parcels in 2010 to 40 billion in 2017. And in the first three quarters of 2018

this figure had already reached 34.74 billion parcels, an increase of 26.8 percent from a year earlier.

According to updated data from the National Bureau of Statistics of China, online sales in China increased 27 percent in the first three quarters of 2018. Online sales of physical commodities rose 27.7 percent, 18.4 percent faster than total retail sales of consumer goods,

increasing by 3.5 percent over the same period last year. It is estimated that online sales of physical commodities contributes more than 40 percent to total consumer goods growth.

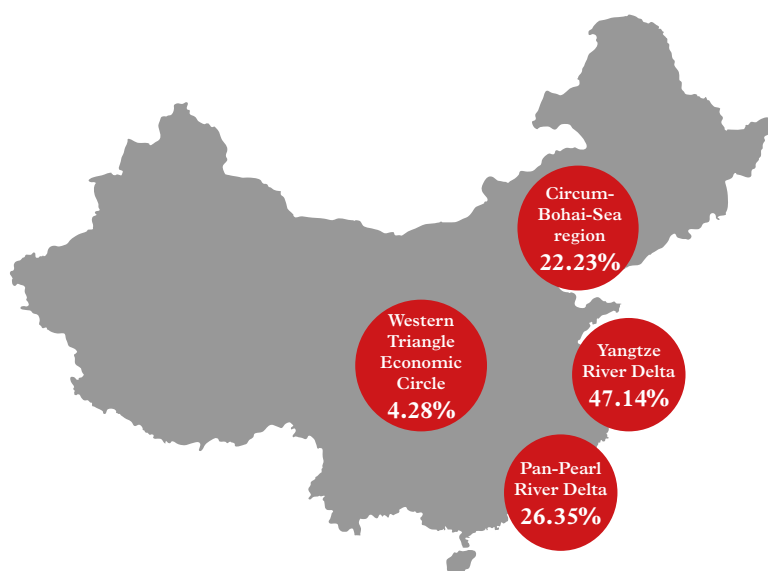
Logistics labels are growing fast in China's industrial supply chain, and half are 3-layer adhesive labels. Estimated average growth in the next five years is expected to be over 6.52 percent.

## RFID

Today in China there are two types of automated store checkout systems, one adopting machine vision technology and represented by Amazon and Deep Blue Technology, another adopting vending machines with RFID and variable QR codes and using open shelves for snack items like Bilibee, Bingo box and Alibaba Tao Café. An IDTechEx survey predicts that the market value for Chinese RFID applications will reach US\$4.3 billion in 2025. Today there are more than 150 RFID label manufacturers in China and they produce almost 85 percent of the labels used worldwide.

*“The rise of digital printing does not come at the expense of conventional technologies. On the contrary, the integration of the two technologies is becoming a distinct trend”*





Where Chinese label converters are based

Chinese-style mobile payment methods such as Alipay and WeChat Pay are accelerating the development of unmanned retail sites in China.

#### Label printing equipment

Today label printing in China is still dominated by letterpress. However, as environment protection policies have become more and more restrictive – particularly with the environmental tax levied in 2018 – and demand from end users has increased for short run, personalized and custom-made products, more and more label printing companies are casting their eyes towards flexo and digital printing methods.

From visitor research at Labelexpo Asia 2017, interest in flexo was highest at 43 percent, followed by digital printing at 30.98 percent, offset 28.9 percent, letterpress 24.2 percent and gravure 16 percent. There were 54 flexo and digital printing machines displayed at the show.

Data from PEIAC's Label Printing sub-association shows that 180 flexo presses were installed in 2017 in mainland China, an increase of 8.9 percent from 2016. To date, the total number of flexo press installed in China stands at 2,197 machines. For comparison, in 2017 35 offset presses were installed, a 15.7 percent increase from 2016. The current installed base of offset presses is 258 machines.

At this stage, digital label printing accounts for less than 5 percent of installations in China. Besides the international brands such as HP Indigo,

Konica Minolta, Domino, Screen, Xeikon, Epson etc, domestic manufacturers have also launched digital label printing equipment, including Shenzhen Handway, Winbosc, Amica, Shenzhen Haotian, Beijing Founder and Lucky HuaGuang.

The rise of digital printing does not come at the expense of conventional technologies. On the contrary, the integration of the two technologies is becoming a distinct trend. For example, Domino and Spande launched together

*“As environment protection policies have become more and more restrictive and demand from end users for short run, personalized and custom-made products has increased, more label converters are casting their eyes towards flexo and digital”*

the N610i+ flexo hybrid machine, which will be installed in the Shanghai plant of Hyprint, and Zonten concluded a strategic agreement with Konica Minolta and will launch its new 'digital + flexo' label press in the near future.

#### Environmental protection storms

The label printing industry has been impacted by environmental protection policies introduced in 2018, especially measures to reduce VOCs. Both the packaging printing industry and ink industry were listed as key fields for VOC pollution

control and treatment.

Regional governments have already approved VOC emission reduction plans for different industries on a local level, and more than 20 provinces, cities or autonomous regions have started a levy on VOC emissions. Beijing and Shanghai have established the most stringent standards – for example maximum emission concentrations in Beijing cannot be more than 30mg per square meter, and in Shanghai the limit is 1.5kg per hour. In addition, cities such as Shenzhen and Shanghai have introduced online monitoring of pollutant emissions, and as a result a number of small and medium-sized printing companies have been forced to close or relocate to middle or western areas of the country.

#### Plastic film industry

With small and medium-sized flexible package producers forced to shut down due to gravure VOC emissions, label printers have seized the opportunity to produce flexible packaging products themselves. For example Beijing Deji Label purchased its second Omet Xflex X6 10-color flexo combination press for filmic materials and CymMetrik purchased a Mark Andy Performance Series P9E press. They are all looking at converting shrink sleeve label

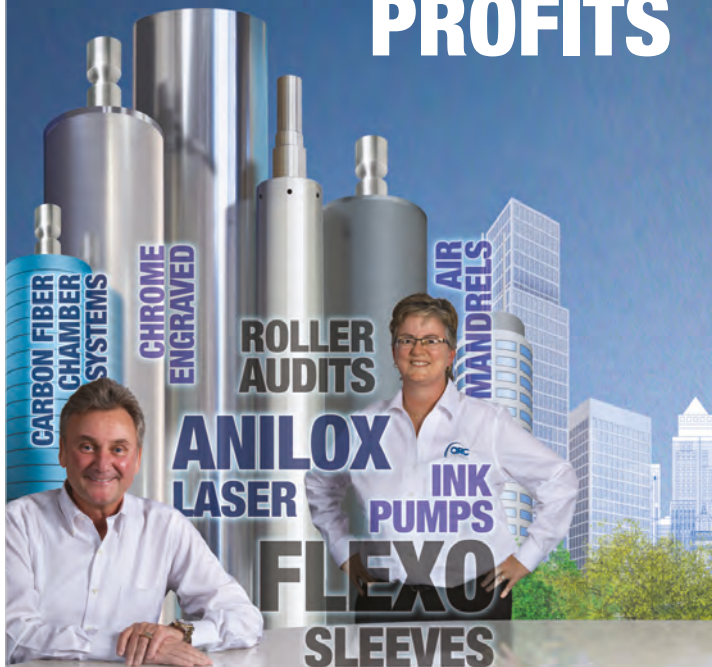
and flexible packaging products.

After many years of rising volumes, however, filmic growth rates have begun to slow. Filmic growth rates reached their peak in 2013 at over 31 percent, but by 2017 had fallen to just 2.47 percent. This dramatic decline was due to a combination of changing industrial standards and stricter environmental protection policies.



For more from Yolanda Wang on the Chinese label market, go to [www.labelsandlabeling.com/contributors/yolanda-wang](http://www.labelsandlabeling.com/contributors/yolanda-wang)

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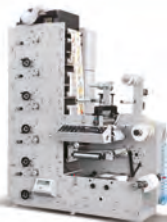
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# REGIONAL ROUND-UP: SOUTHEAST ASIA

AAKRITI AGARWAL  
REPORTS ON MARKET  
TRENDS IN  
SOUTHEAST ASIA



Southeast Asia is one of the fastest-growing label markets in the world, with a trend towards rising consumption in the booming economies of this heterogeneous region.

The strength of the local market was demonstrated at the inaugural Labelexpo Southeast Asia, held in May in Bangkok. With 7,934 attendees from 62 countries flocking to the three-day show, exhibitor rebookings for the next edition in 2020 stood at 42 percent at the end of the show – the highest following a Labelexpo event launch to date. The event attracted 174 of the global industry's principal suppliers, who see the region as a booming market.

## Suppliers spy opportunity

At the event, Jakob Landberg, Nilpeter's sales and marketing director, described Thailand as 'one of the five fastest-growing label markets in the world'. Eric Blankenstein, sales director at Nilpeter Asia-Pacific, said the country is an hub for the company: 'We have our technology center here and it's a great market for us to further expand into Southeast Asia.' Nilpeter opened a new office in Indonesia last year and is looking at Vietnam next.

Omet's ASEAN manager Dario Urbinati said: 'Thailand is one of the hot spots in the label and packaging industry in Southeast Asia. The wider ASEAN region has one billion consumers with a double-digit growth rate in labels and packaging, so it is a significant part of our business strategy.'

Indicating technology trends, Sean Pullen, sales director Asia Pacific at Mark Andy, said that local printers are upgrading from letterpress and could go the digital or flexo route – or both. 'Also it is very much a flexible packaging market in Thailand that includes pouches and sachets.'

Letterpress machine manufacturers such as Zhejiang Weigang and Zhongte see great demand for letterpress and offset technology in this market. Spring Xu, international sales manager at Zhejiang Weigang, said: 'Similar to China, there are lots of short-run jobs in the Southeast Asian market, and local converters have traditionally used letterpress and offset machines to target this work. But we see a trend of companies moving into flexo technology.'

Brotech's Ramon Lee said: 'It is a good market that has a high concentration of digital, flexo and letterpress technologies. The labor cost, however, is increasing, because of which label printers are shifting to more automated machines. We see growth in Singapore, Malaysia and Thailand.'

HP Indigo's Melvin Lew said: 'The region is growing well with Thailand being a huge market, and we see growth potential in Indonesia.' The company has several demonstration centers in Southeast Asia, including two each in Thailand and Indonesia, three in the Philippines, and one each in Singapore and Malaysia.

Armor's Mark Day said: 'The Southeast Asian market is very

price-sensitive, but we bring additional value to ribbons with the inkanto

*“The market here is booming”*

product range. We are growing with the market and witnessing double digit growth year-on-year in volume consumption.'

Lintec has manufacturing bases in Thailand and Indonesia and sales/splitting centers in Singapore, Malaysia, Vietnam and the Philippines. 'ASEAN is certainly a growing market for us,' says Masaaki Yoshitake. 'We see big growth for Lintec now in the food, toiletries and cosmetics markets.'

Univacco sees Indonesia as the fastest-developing market in Southeast Asia. Univacco is witnessing a 20 to 30 percent growth in the region, compared to the global growth of 15 percent. It has distributors in Vietnam, Indonesia, Thailand and the Philippines as well as an office in Malaysia.

RotoMetrics is expanding its production facility in Thailand owing to the growing market in Southeast Asia. Paul McKay, general manager, said: 'While Thailand and Singapore are large mature markets, we see potential growth in the Philippines and Indonesia. As volume in these markets will grow, small and medium size label printers will have to switch from flat-bed die-cutting to rotary die-cutting technology. We already see it happening in Indonesia. We see a growth of 20 to 25 percent in rotary dies in the region year-on-year.'

BST eltromat Southeast Asia's managing director Oliver Finkeldey summed it up: 'The market here is booming.'

## Converter trends

At the event's conference, a panel discussion of regional converters outlined some of the market's key trends, such as the need to diversify from pressure-sensitive labels to other forms of labeling and package printing in order to maintain competitiveness.

Indonesia-based PT Interflex, for example, was founded in 2008 to produce shrink sleeves, and has now diversified into flexible packaging. Trisan Printing, based in Thailand, was originally a letterpress label converter and has adopted flexo and offset while also diversifying into folding carton production.

Each country in the region has different demands, so it is a



The AWA conference was held in Bangkok ahead of Labelexpo Southeast Asia 2018

challenge to track consumer profiles in each country and market products to them effectively. Multinational companies are moving into the region to cater to increasingly leaner supply chains.

Adrian Pratiwiharja of PT Interflex Sejahtera Perdana said: 'We have big multi-national converter competitors in Indonesia, and that is a good thing. It is fair competition and makes us want to continuously improve. Certain brands in Indonesia still prefer buying from medium-sized local companies, where we can be more price competitive. They like the quick lead times from a small business.'

Brenton Barrett of Multi-Color Corporation (Asia-Pacific) commented: 'Despite MCC being an international converting group, its ASEAN customers are looking for the company to be local. It is all about speed to market and being local. We can export to a market for perhaps 1-2 years before we have to put down bricks.'

#### Asian release liner market

Alexander Watson Associates (AWA) organized an event in Bangkok to discuss the Asian release liner market ahead of Labelexpo Southeast Asia's debut show in May. Sharing research data, Corey M Reardon, president and CEO at AWA, said: '50.9 billion sqm of siliconized release liner was consumed in 2017 globally, of which 19.6 billion sqm – 39 percent – was consumed in Asia-Pacific.'

According to research by AWA, consumption of glassine/SCK paper and polyolefin coated paper in Asia-Pacific stands at 28 and 29 percent respectively. 'We see a slight shift to glassine in this market but it is slower than expected,' said Reardon. Global consumption of glassine stands at 36 percent and that of polyolefin coated paper is 17 percent.

Globally, 49 percent of release liner is used for the label segment and 13 percent for the tape segment. Following global trends, the Asian market has also been observed to use 48 percent of release liners for label applications, and 21 percent for the tape segment. In 2017, the global release liner market grew at just under five percent and the primary growth driver was the Asia-Pacific region, growing 6.4 percent. 'It is, however, not a homogeneous market with different sub-regions growing at different rates,' Reardon pointed out.

He further added that 62 billion sqm of label material is estimated to have been used worldwide in 2017, of which 44 percent was consumed in Asia-Pacific. Food and beverages have been identified as the fastest-growing segments in the region, with



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*“50.9 billion sqm of siliconized release liner was consumed in 2017 globally, of which 19.6 billion sqm – 39 percent – was consumed in Asia-Pacific”*

growth of 22 and 47 percent respectively. Pressure-sensitive was seen as the fastest-growing label technology in Asia-Pacific last year, at 6.9 percent, with increasing opportunities in the food and beverage segments. This is followed by growth in shrink sleeves at 5.5 percent and glue-applied at 5.2 percent.

Pressure-sensitive labeling represents 24 percent of the global primary product label market; glue-applied stands at 44 percent followed by shrink sleeves at 23 percent. In the Asian market, however, pressure-sensitive represents a larger share of 35 percent, followed by glue-applied labels at 33 percent and shrink sleeves at 27 percent.

One of the key growth trends in shrink sleeve labeling is the food and beverage segments, where competition with pressure-sensitive labeling is increasing. 'However, shrink sleeves are now growing at a deaccelerated rate. The other competing technology



*Regional growth was reflected in the successful launch of Labelexpo Southeast Asia 2018*

is flexible packaging, which is growing at a fast pace in the region. Track and trace in logistics and transport is also on the rise and not much competition is seen in this market segment. Shrink sleeves and wet-glue are not competing with pressure-sensitive in the variable information printing category. However, direct print is replacing pressure-sensitive labels in some cases, but it can't include value-added features such as RFID, security and anti-counterfeiting that have increased demand in the pressure-sensitive segment,' said Reardon.



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# REGIONAL ROUND-UP: INDIA

PROFESSIONALIZATION,  
EFFICIENCY AND QUALITY:  
THE INDIAN LABEL  
INDUSTRY IS COMING OF  
AGE, WRITES AAKRITI  
AGARWAL



India is a growing market with rising disposable income amongst the highly populous middle class. The National Council of Applied Economic Research (NCAER) states that by 2025-26 the middle-class population in the country is estimated to reach 547 million people.

According to India Brand Equity Foundation (IBEF), India's per capita GDP is expected to reach US\$3,273 in 2023, up from US\$1,983 in 2012. The main consumer spending rises are likely to occur in food, housing, consumer goods, transport and communication sectors.

IBEF also states that India's GDP growth is estimated to have reached 6.6 percent in 2017-18 and is expected to grow to 7.3 percent in 2018-19. In April-July quarter of 2018, GDP grew by 8.2 percent.

According to Quora, the Indian retail industry accounts for over 10 percent of the country's GDP and around 8 percent of employment. It is expected to grow to US\$1.3 trillion by 2020, registering a CAGR of 9.7 percent between 2000 and 2020.

All these research reports indicate the strong growth of the Indian economy, which is stimulating similarly rapid growth of the country's label industry.

## Labelexpo shows higher-specification presses

Label presses being installed by local converters are increasingly sophisticated: often customized machines with value-adding features such as cold and hot foiling, embossing, Fresnel lens, anti-counterfeiting features and so on.

This trend was clear at the recent Labelexpo India 2018 show, with numerous sales announced by not only European and American machine manufacturers but also the Indian suppliers. The growing label industry is paving the way for new entrants such as NBG, SnM Enterprises, UV Graphic Technologies and Hyden Packaging, amongst others, which showed presses for the first time at the exhibition.

Not only did they exhibit – they were also selling machines.

SnM Enterprises sold two presses; UV Graphic sealed a deal and Hyden Packaging sold a slitter rewinder with Futec inspection camera on the last day of the show.

Multitec, an established Indian machine manufacturer, announced two press sales and finalized a deal with Domino to produce India's first hybrid press – a clear indication of the rising

sophistication of technology in the local market.

Other international suppliers such as Lombardi, Nilpeter and Omet, Indian companies Alliance Printech, PGI Technologies, Webtech Engineering, RK Label Printing Machinery, Arrow Digital and Moksha Engineering, and Chinese companies Zonten, Wanjie and Weigang all sold presses from the show floor at the event.

Ajay Mehta, managing director at SMI Coated Products, says: 'Printers are opting for combination presses and are looking at digital technology as well. The industry is becoming very innovative and looking at sustainable solutions.'

The Indian label industry is increasingly investing in digital and UV inkjet technologies. Labelexpo India saw machinery running from several digital suppliers, including Monotech Systems, HP Indigo, Domino, Xeikon, Konica Minolta and others.

Monotech launched its Colornovo UV inkjet press at the show and announced five sales in four days. This is a huge step forward for the Indian label industry, where until just a few years ago local printers were shying away from digital investments.

Most printers are also investing in inspection equipment that was not commonly seen in label factories until recently. Stricter regulations by the government, especially in the pharmaceutical industry, and demand for defect-free and high-quality labels by brand owners has resulted in a surge in installations of sophisticated inspection systems.

Hemant Desai, director of operations, India, at Baldwin Vision Technology, says: 'The label and packaging industry in India is growing at double-digit rates. There is a demand for print quality management, consistency and waste management. The Indian industry is at a stage of transition and customers are in the process of embracing new technologies and making new investments.'

*“Strong growth in the Indian economy and a rising middle class are stimulating similarly rapid growth in the country's label industry”*

## Rising middle class

Ajay Mehta attributes local label industry growth to the rising middle class. 'Our per capita consumption stands at about 0.35sqm. The Indian label industry is growing at a rate of about 15 percent per annum,' he says. 'There will be a period soon when the surge will be

higher than 15 percent, and that's what everyone is looking at. It's not about catching up with Europe, America and China in terms of consumption. I anticipate to reach 3sqm or 4sqm in the next five to seven years, which is ten times the current consumption. The industry is poised to grow ten times in a short span of time.





*Labelexpo India 2018 was a landmark event in the country in terms of the quality levels of machinery displayed and being sold*

'Therefore, companies are moving towards more sophisticated machinery. Newer machines are capable of doing registration within 10 minutes, reducing wastage, and have shorter web paths. Pressure-sensitive labels are becoming more cost-effective. The Indian converter is also opening to investing in digital presses. We see growth being driven by end consumers and printers together.'

Ashish Chitale, partner at Mumbai-based label printer Coats & Pack, says: 'Volume has increased but the price has always been an issue. We have started doing variable data printing also. Any value addition on labels gets a decent price and margin. As a result, we are now offering track and trace solutions, as well as redemption labels.'

Pankaj Bhardwaj, senior director and general manager South Asia for Avery Dennison, says: 'The label industry in India has a strong correlation with GDP. PS penetration has improved, and more brands are moving to PS from other decoration technologies, although challenges remain in terms of costs. The segments that are growing include home care, e-commerce and general manufacturing, all sectors which reflect GDP growth.'

'There are elements of industry 4.0 being adopted in the Indian label industry. We see changes towards productivity and efficiency. Therefore, there are more advanced machines are coming in with features to enable value-added decoration on labels. There is a play for digital as well. Compliance is increasing in India too which has led to the need for higher automation so we see more inspection and sophisticated equipment coming in,' says Bhardwaj of the trends seen in the Indian market.

Sustainability is becoming key, with Avery Dennison launching a glassine liner waste recycling program in Australia, India and Thailand. 'We already have several major brand owners engaged, and are trialing this service with Unilever, the first company to officially begin recycling its waste liner through our program. We see great potential and a growing demand in India, which is driven by emerging government legislation and higher global sustainability targets being established by multinational brands,' says Darren Milligan, senior marketing director, Label and Graphic Materials Group, South Asia Pacific and Sub-Saharan Africa at Avery Dennison. The company is also collaborating with The Himalaya



Drug company for a similar project in India.

The label industry, therefore, is growing in tandem with the increasing quality demands of brand owners. Earlier this year at a conference, Barun Banerjee, head of packaging at Nestle South Asia, spoke about the need for sustainable and recyclable labels, green initiatives, new technology, as well as digital print and personalization, and the need of protecting products using anti-counterfeiting features on labels.

Rahul Bhargava, vice president, packaging at Sun Pharma, said that more than 70 percent of recalls in the pharmaceutical industry globally occur due to defective labels, thus, stressing on the need of more inspection and automation. Reaction to these trends and requirements, it seems, is now beginning in earnest.

Brand owners, printers and suppliers had an opportunity for a meaningful discussion at Labelexpo India at the inaugural Brand Innovation Day. All parties engaged in discussing ways to take the Indian label industry forward and tap the growth potential.



For more on the Indian label industry, subscribe to Label News India e-newsletter at [www.labelsandlabeling.com/newsletters](http://www.labelsandlabeling.com/newsletters)



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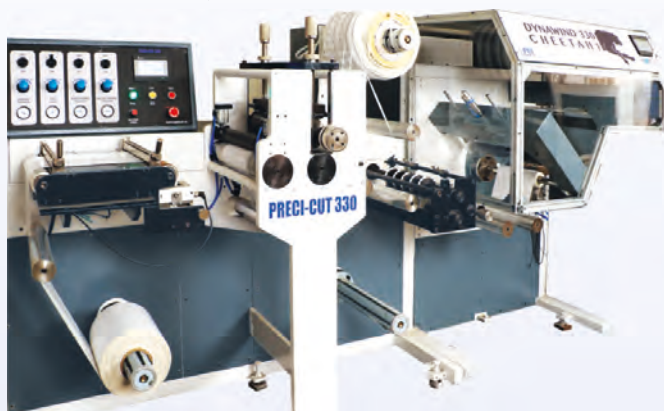


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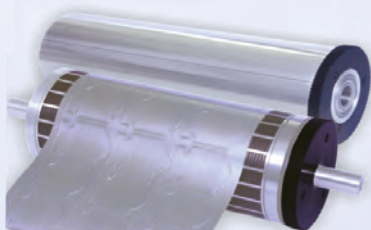
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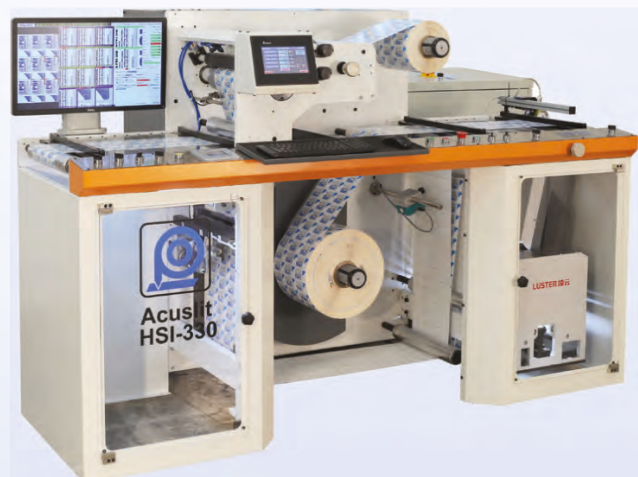
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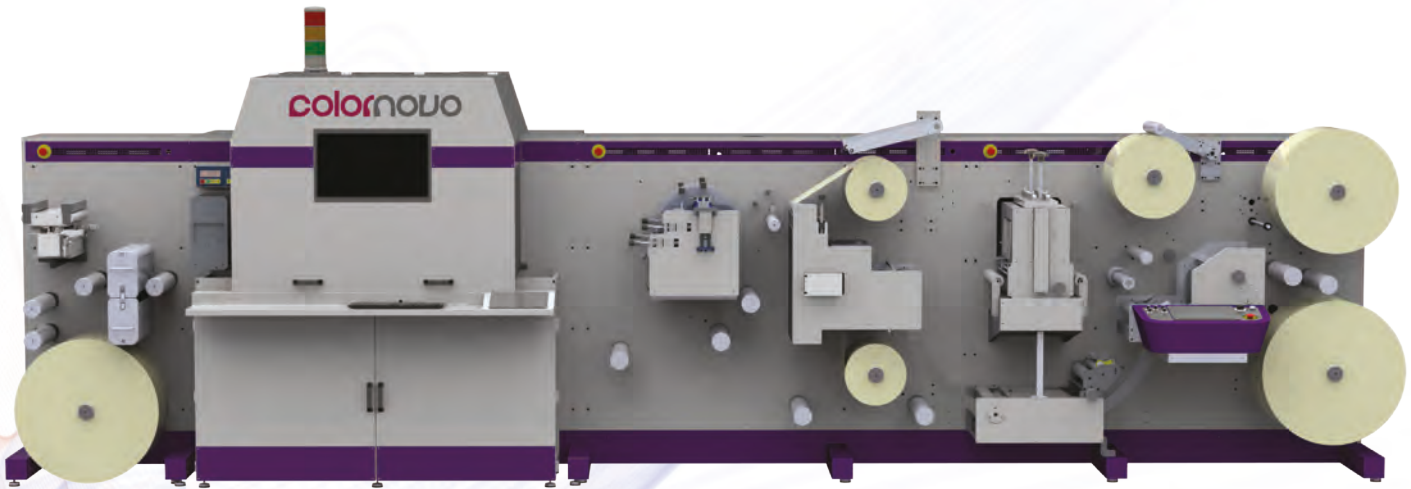


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# REGIONAL ROUND-UP: AFRICA

EXCEPTIONAL AFRICAN BRANDS  
AND TALENT ARE BEATING THE  
WEST AT ITS OWN GAME, WRITES  
GILL LOUBSER



According to the World Bank, 2017 saw a modest recovery to 2.6 percent growth in sub-Saharan Africa (up from 1.3 percent in 2016). Though political and economic woes continue to grip African nations, major milestones are being achieved, signifying a new era for citizens across the continent.

It's clear that the stubborn relics of Africa's post-colonial struggles are finally crumbling – in ways that clichéd narratives and labels such as 'Africa Rising' or 'emerging markets' could never quite capture. Unlike the past, where foreign intervention was common, Africa is now liberating itself – the African way.

One example is Kenya's ground-breaking presidential election, which saw Raila Odinga, the main opposition leader, successfully challenging the fairness of the election process. Then there was the end of Robert Mugabe's disastrous 37-year reign in Zimbabwe, and Angola's transition from the entrenched Dos Santos family.

One result of these tumultuous times is that many Africans no longer want products and services that perpetuated the spirit of their colonial forefathers. Instead, they're aspiring to a new African standard that sets superior benchmarks and positively brands Africa on the global stage. At the same time, jaded consumers in the West are now looking towards previously ignored markets, such as Africa, for quirky innovations, fresh inspiration and novel inventions.

Says Bompas & Parr's *Imminent Future of Food* (December 2017): 'Africa is the next logical flashpoint for inspiration. It's arguably the main remaining world food culture left to be adopted, adapted and commercialized.'

So whether launching products for the domestic market or making waves in the international arena, African magic will fight against global mundanity, competing with and beating established Western incumbents at their own game.

Also set to offer exciting opportunities for Africa is the impact of Industry 4.0. This next phase in the digitalization of the manufacturing sector will be wide and profound. It offers opportunities for African manufacturers – particularly small and medium enterprises – to create new business models and integrate into global value chains. However, benefiting from Industry 4.0 means overcoming a myriad obstacles. Given Africa's particular context, policymakers must ask the right questions to ensure the continent can capitalize on the revolution.

Earlier this year, the Brookings Africa Growth Initiative and UNIDO (United Nations Industrial Development Organization) explored strategies to anticipate and circumvent the challenges generated by Industry 4.0 and ways in which Africa can benefit.

The meeting particularly emphasized that policies for capitalizing on Industry 4.0 must be able to reconcile the tension between

Africa's current low state of industrial development and poor infrastructure with the high requirements of a digitalized economy.

## Packaging trends in South Africa

Politics and industrial revolutions aside, according to Euromonitor's latest research, South Africa's challenging economic conditions are a key determinant in the development of packaging trends, as manufacturers seek to keep costs down and consumers pay closer attention to the management of household budgets.

While keeping prices down remains a key factor in packaging in South Africa's food industry, changing consumer attitudes and lifestyles are exerting a growing influence on packaging developments. Most prominent among these are the demand for more convenient packaging options compatible with the increased pace and on-the-go character of modern urban lifestyles and the growing popularity of packaging that appeals to rising health-consciousness.

The non-alcoholic drinks market is seeing a notable trend towards smaller packaging driven by economic factors, including a decline in consumer purchasing power and the introduction of the sugar tax. Even before the tax came into effect, it was already exerting a significant influence on packaging development, as soft drinks manufacturers shifted to smaller packs in anticipation.

Overall, the drinks market is also seeing packaging trends that reflect a demand for value-for-money among budget-conscious consumers – for instance, larger pack sizes, such as one-liter returnable glass beer bottles, 500ml metal beer cans, and one-liter liquid cartons for juice.

Beauty and personal care manufacturers are also finding different answers to the impact of challenging economic conditions and declining purchasing power. In some categories, particularly essential or everyday items, bulk packaging is becoming popular as consumers look for ways to maximize their spending.

As in other categories, difficult economic conditions are exerting an influence on the development of packaging in home care, leading to demand for both less expensive, smaller pack sizes and more economical bulk packaging, such as refill packs, particularly stand-up pouches, 5kg packs of laundry powder and larger sizes of bleach bottles. Above all, the economic climate is favoring the development of 'no frills' packaging that demonstrates value-for-money, now prominently employed by private label products offered by major retailers.



To read more about the African market from Gill Loubser, go to [www.labelsandlabeling.com/author/gill-loubser](http://www.labelsandlabeling.com/author/gill-loubser)



## L9 announces WORLD LABEL AWARDS CATEGORY WINNERS

Tony White, chairman of the judging panel, rounds up the winners of the 2017 WLA competition

This year we saw a whole new group of companies who have impressed the international panel of judges with some really exciting, high quality entries. We are delighted to be able to present the labels which received Category and Honourable Mention awards in the 2017 L9 World Label Awards (WLA) competition.

Getting the judging right in a label competition of this importance is often down to looking at the very fine detail which even the strictest quality control technician might dismiss as insignificant. All entries have passed the first test, which means that they are commercially acceptable, then they pass the second 'filter' by being selected as winners in their associations' annual competitions. Then comes the moment of truth when the representative judging panel examines each entry in great detail, looking for as many positive attributes and taking marks off for obvious technical issues.

The result is a fantastic selection of the best labels submitted from each of the associations. The competition is hotly contested and the winning companies can justifiably be proud of their awards. The final job for the judges is to select the Best of the Best labels in five categories: digital, flexo, offset litho, combination and letterpress printing. These awards were presented at the Label Industry Global Awards evening during Labelexpo Americas 2018.

More details of how the World Label Awards work can be found at [www.worldlabelawardsassociation.com](http://www.worldlabelawardsassociation.com).

## WINNERS

### CLASS #1



### SALMA FLEXO LINE

Rapid Labels, New Zealand, for 'NZ Sunscreen Pure Shade'  
Printed on a Gallus EM250 in three colors on an Avery Dennison silver foil at 40m/min. A rotary screen luster coating added to the final effect.

### CLASS #2



### TLMI FLEXO LINE/SCREEN

Label Impressions, USA, for 'Deva Curl Buildup Buster'  
Printed on a Nilpeter press in four colors on an Avery Dennison silver foil substrate using Siegwirk inks.

### CLASS #3



### FPLMA FLEXO COLOR PROCESS

Label Force, Australia, for 'John West Calamari'  
Printed on a Mark Andy P5 press in six colors plus lamination at 65m/min using a 150 LPI screen with Paragon inks on 150gsm board.

### CLASS #4



### JFLP FLEXO WINE/SPIRITS

Takara Pac, Japan, for 'Chablis Wine Label'

Printed on an MPS EC330 in five colors front two colors back plus lamination on a Fujiclear 38 film and PP matte substrates.

## CLASS #6

**JFLP****LETTERPRESS LINE/SCREEN**

Maru-Sin, Japan, for 'Safety Drive'

Printed on an Onda OPM W250 3S press in two colors using DIC and Toka inks on a PP film substrate.

## CLASS #7

**JFLP****LETTERPRESS COLOR PROCESS**

Sato Printing, Japan, for 'Daimyo Futomaki (Sushi Roll)'

Printed on a Sanjyo P20 rotary press in five colors using Toka UV inks on a Lintec Gloss PW 8R substrate.

## CLASS #8

**JFLP****WINE/SPIRITS**

Sato Printing, Japan, for 'Apple and Lime Liqueur 'Ringo Hime''

Printed on a Sanki SMP 330 press in four colors using FD Carlton X inks on a Lintec gloss SG 8K substrate.

## CLASS #9

**SALMA****OFFSET LINE**

Panprint, New Zealand, for 'True Honey Co. 300+ MGO'

Printed on an Omet X6 offset/composition press in one color plus flexo varnish and hot foil and a screen Hi Build on a Vintage PE substrate at 40m/min.

## CLASS #11

**PEIAC****OFFSET COLOR PROCESS**

Beijing Yazhengyuan Colourful Printing, China, for 'JOMO Label'

Printed on a Gobo 105UV 6+1 offset press in six colors and a 200 LPI screen.

**JFLP****OFFSET COLOR PROCESS**

Shinwa Label Printing, Japan, for 'Yamagata Sakuranbo'

Printed on a Sanki SOF330 press in four colors and cold foiling using UV Toka inks on a Marusao Chemical Pearl BP YN 85 substrate.



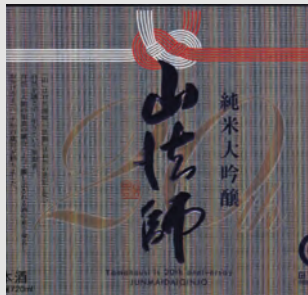
## CLASS #12

## JFLP

## OFFSET WINE/SPIRITS

Seieido Printing, Japan, for 'Japanese Sake 'Yamahousi''

Printed on a Sanjyo P 03 270 5CFP FR press in six colors plus debossing using Toka 171 waterless inks on a Lintec FNS Bright 50 substrate.



## SALMA

## OFFSET WINE/SPIRITS

Panprint, New Zealand, for 'Pacific Potion Sauvignon Blanc'''

Printed on an Omet X6 offset/flexo combination press in one color plus hot foil on a Vintage PE-Z 3338 BG40 substrate at 40m/min.

## CLASS #13



## SALMA

## COMBINATION LINE

Rapid Labels, New Zealand, for 'Floating Foil Snapper'

Printed on a Gallus EM280 press in one color plus a floating foil on a soft-feel varnish on a Kantac substrate at 30m/min.

## CLASS #14



## TLMI

## COMBINATION LINE/SCREEN

McDowell Label & Screen Printing, USA, for 'Performance Nutrition'

Printed on a Gallus press in five colors using Actega WIT inks and a 200 LPI screen on a Fasson substrate using Toka UV 161 inks on a Lintec Pet50 substrate.

## CLASS #15



## JFLP

## COMBINATION COLOR PROCESS

Sunmec, Japan, for 'Denen Fuka Box Label'

Printed on a Sanki SMP250 press and an Iwasaki 3HD 250 press in seven colors plus gold foil and embossing.

## CLASS #16



## TLMI

## COMBINATION WINE/ SPIRITS

Multi-Color Corporation, USA, for 'Octopoda Cabernet Wine'

Printed on an HP Indigo press in two colors using HP Indigo inks plus hot foil, embossing on a Wausau coated substrate.

## CLASS #17



## TLMI

## DIGITAL PRINTING

Digital Label Solutions, USA, for 'KIA -The Extra Mile''

Printed on a HP Indigo press in four colors plus lamination using HP inks on a Wausau Coated substrate.

## CLASS #18



## TLMI

### DIGITAL WINE/SPIRITS

Syracuse Label & Surround Printing, USA, for 'Ryze Vodka'

Printed both sides on a HP Indigo press in four colors using HP inks on a Fasson silver foil substrate.

## CLASS #19



## LMAI

### SCREEN PRINTING

Any Graphics, India, for 'Com-ad Designs'

Printed using a flatbed press in four passes in two colors plus a glitter varnish.

## CLASS #21



## FINAT

### BOOKLETS

Stratus Packaging, France, for 'Multipages les recettes Végétales sans gluten'

Printed on a HP Indigo WS6800 press in four colors using HP inks on a Fasson film substrate.

## CLASS #20



## SALMA

### GRAVURE PRINTING

Gravure Packaging, New Zealand, for 'Chobani 170g'

Printed on a Pelican Rotoflex press in six colors on a film base at 50m/min.

## CLASS #22



## FINAT

### INNOVATION

Source Labels, UK, for 'Fortnum and Mason Beluga 000 Fresh Caviar'

Printed on a HP 330 press using HP inks in four colors plus special Swarovski crystal lamination on a Raflatrac film substrate at 50m/min.



## JFLP

### INNOVATION

Shibatasesco, Japan, for 'Instant Pocket Label'

Printed on an Iwasaki Tekko VSDP 250 press in two colors plus lamination using Ooska ink and a Shibata SESCO denim substrate.

## LMAI

### INNOVATION

Mudrika Labels, India, for 'Colgate Deep Cleaning'





# HONORABLE MENTIONS

## CLASS #3



**SALMA**

FLEXO COLOR PROCESS

Admark Visual Imaging, New Zealand, for 'Moana'

## CLASS #4



**SALMA**

FLEXO WINE/SPIRITS

Rapid Labels, New Zealand, for 'Craggy Range Wild Rock Pinot Gris 2016'

## CLASS #4



**FINAT**

FLEXO WINE/SPIRITS

Royston Labels, UK, for 'King's Cross'

## CLASS #5



**FINAT**

LETTERPRESS LINE

Cabas, Greece, for 'Agro.VI.M. Olive Oil Kalamata PDO 1L'

## CLASS #7



**SALMA**

LETTERPRESS COLOR PROCESS

Leading Label, New Zealand, for 'Pumpkin Seed Oil'

## CLASS #12



## CLASS #12



**FPLMA**

OFFSET WINE/SPIRITS

Multi-Color Australia for 'D'SAS'

## CLASS #13



**FPLMA**

COMBINATION LINE

Label House, Australia, for 'Pale Ale Birra Zonzo'

## CLASS #16



**JFLP**

COMBINATION WINE/SPIRITS

Maru-Sin, Japan, for 'NEI (Japanese Shochu)'

**FINAT**

OFFSET WINE/SPIRITS

Multi-Color Corporation North America Wine and Spirits, USA, for 'Fortnight'

## CLASS #17



**FINAT**

DIGITAL PRINTING

Çiftsan Etiket Ambalaj San Ve Ticaret, Turkey, for 'Winx Body Lotion 75ml'

## CLASS #18



**FINAT**

DIGITAL WINE/SPIRITS

Marzek Etiketten, Austria, for 'Heathland Whisky'

## CLASS #18



**FPLMA**

DIGITAL WINE/SPIRITS

Multi-Color Australia for 'Silken Beastie Shiraz'

## CLASS #19

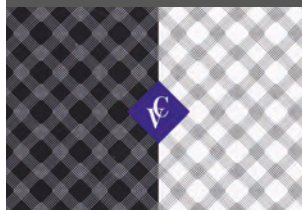


**JFLP**

SCREEN PRINTING

Sibel Industry, Japan, for 'Vronique & Claudette'

## CLASS #19



**FINAT**

SCREEN PRINTING

Stratus Packaging, France, for 'Shampoo Color Lômé Paris'

## CLASS #20



**FINAT**

GRAVURE

Multi-Color Wales, UK, for 'Heineken Green Identity'

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# BEST OF THE BEST

This is the sixth year that the L9 World Label Awards judges have selected five additional awards representing the 'Best of the Best' entries from the principal printing technologies used in the label industry: flexo, letterpress, offset litho, combination and digital. The awards were presented at the Label Industry Global Awards held during Labelexpo Americas 2018.

## WINNERS

### JFLP

FLEXOGRAPHIC PRINTING



Chablis

Takara Pac, Japan

### SALMA

COMBINATION PRINTING



Floating Foil Snapper

Rapid Labels, New Zealand

### JFLP

LETTERPRESS PRINTING



Daimyo Futomaki (Sushi Roll)

Sato Printing, Japan

### TLMI

DIGITAL PRINTING



Ryze Vodka

Syracuse Label & Surround Printing, USA

### JFLP

OFFSET LITHO PRINTING



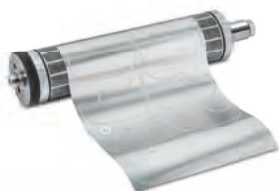
Yamagata Sakuranbo

Shinwa Label Printing, Japan





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# Global label associations

*Association Members of the L9*



## LATIN AMERICA

### 1 ABIEA

#### ASSOCIAÇÃO BRASILEIRA DAS INDÚSTRIAS DE ETIQUETAS ADESIVAS

President: Umberto Giannobile

ABIEA, founded in 1986, aims to organize and promote events such as meetings, congresses, courses, seminars and prize competitions for the benefit of its members. ABIEA publishes the online magazine 'O Auto Adesivo', the official communication vehicle for the country's label sector, read by converters, suppliers, end users, publicity agencies and other companies.

## LATIN AMERICA

### 2 AMETIQ

#### LA ASOCIACIÓN MEXICANA DE ETIQUETEROS

President: Council of six founding members

The Mexican Association of Label Companies (La Asociación Mexicana de Etiqueteros), AMETIQ, was created in 2008 by six label manufacturers. Representatives from these companies sit on the association's council, which runs its operations. The association's main objective is to strengthen the flexographic printing and converting industry through active collaboration of each of its members and seeks to integrate more partners – converters and industry suppliers – who are interested in participating in this goal.

## NORTH AMERICA

### 3 TLMI

#### THE TAG & LABEL MANUFACTURERS INSTITUTE

Chairman: Michael Ritter

TLMI, founded in 1933, positions itself as an industry resource for its converter and supplier members and for the greater North American narrow web industry. TLMI is comprised of more than 350 members. The TLMI Label Initiative for the Environment (LIFE) certification process is a tool that association members are using to differentiate themselves and to demonstrate their commitment to environmental best practices.

## EUROPE

### 4 FINAT

#### THE ASSOCIATION FOR THE EUROPEAN SELF-ADHESIVE LABELLING AND ADJACENT NARROW WEB CONVERTING INDUSTRIES

President: Chris Ellison

FINAT was founded in 1958 in Paris. With more than 500 member companies in over 50 countries, FINAT provides not just a European but a global platform for self-adhesive label printers and suppliers to meet, network, exchange and enhance collective knowledge and expertise, develop and maintain standards and tests, provide the facilities for management development and education, and to promote the industry as a dynamic, creative and innovative workspace.

## ASIA

### 5 LMAI

#### THE LABEL MANUFACTURERS ASSOCIATION OF INDIA

President: Kuldeep Goel

The LMAI is the central body incorporated by label manufacturing members, founded in 2002. It currently boasts at least 336 members across India. The LMAI has organized multiple conferences and awards and has participated in many international exhibitions. It publishes quarterly newsletters and hosts meetings to share information about the latest IT systems related to marketing and supply chain management. The bi-annual LMAI conference is becoming a must-attend event for the label fraternity in India.

## ASIA

### 6 PEIAC

#### PRINTING AND PRINTING EQUIPMENT INDUSTRIES ASSOCIATION OF CHINA

President: Xu Jian Guo

The Label Printing Sub-Association of PEIAC was founded on June 16, 2008. Its major tasks are to assist the government in shaping the label printing industry's development strategy; to make proposals to the government on macro policy decisions and industrial policies; to adjust import and export tariffs of label equipment; to set national standards for label printing products and materials, and to organize quality evaluation activities for new printing products.

## OCEANIA

### 7 FLPMA

#### FLEXIBLE PACKAGING AND LABEL MANUFACTURERS ASSOCIATION

President: Mark Easton

The FPLMA represents the new association name following the merger of ANZFTA and LATMA. Officially launched on July 1, 2016, the FPLMA represents the flexible packaging and label converters across the Australia and New Zealand region. The main aim of the association is to impart technical knowledge to the wide market it represents and to foster educational initiatives for younger entrants to the industry. The efforts of the industry are recognized at its annual awards and technical forum held each year in Melbourne.

## OCEANIA

### 8 SALMA

#### SELF-ADHESIVE LABEL MANUFACTURERS ASSOCIATION

President: Mark Jackson

SALMA is the mouthpiece of the label, ticket and tag sector of the New Zealand printing industry. The association focuses on ensuring members are kept abreast of changes relevant to their business and on promoting its membership's products and services to print purchasers. SALMA's membership represents some 90 percent of the New Zealand label industry.



# Industry suppliers by category

## 3D technologies: imaging, prototyping and printing

Afinia  
Athena Graphics  
AV Flexologic  
CGS Publishing Technologies International, LLC  
CHILI Publish  
DALIM SOFTWARE GmbH  
Dilli  
DPL Industri A/S  
DPS Innovations LLC  
El Empaque+Conversion  
Four Pees  
Hybrid Software  
Hybrid Soft\$  
Jackys Business Solutions LLC  
Lucky Huaguang Graphics Co Ltd  
Mimaki Europe BV  
Mutoh Belgium n.v.  
Nakata USA  
One Box Vision  
uv-technik meyer gmbh

## Active and intelligent packaging

Avery Dennison, Fastener & Labeling Systems  
Collano Adhesives AG  
Complete Inspection Systems Inc.  
El Empaque+Conversion  
Gemini TRAZE RFID Pvt Ltd  
**Graphi Mecc srl**  
Grillstone Electronics Technology (HK) Ltd  
Kwang Dah Enterprises Co Ltd  
Lana Papiers Spéciaux II  
One Box Vision  
Pap'Argus  
Paxar Emea HQ  
PolyIC GmbH & Co. KG  
Sew Access (Far East) Ltd  
Shandong Taibao Anti-Counterfeiting Technology Products Co., Ltd  
Southern Lamps Inc  
Sun Chemical (Germany)  
Weifang Donghang Graphic Technology Inc.  
WRH Global Americas

## Adhesives

Maan Engineering BV  
3M  
ACTEGA.  
Adesivos e Papéis Especiais RR Ltda.  
Adesivos Ltd  
Adhesive Technical Services Ltd  
Advanced Polymers  
Air Products Polymers, L.P.

AM-PG Group  
Angstrom Technologies Inc  
API Foils  
Arets de Mexico  
artimelt  
Ashland  
ATP Adhesive Systems AG  
Avatack Co Ltd  
Avery Dennison  
Bar Graphic Machinery Ltd  
Basic Adhesives, Inc.  
BeardowAdams, Inc.  
Beijing Zodngoc Automatic Technology co.,Ltd  
Bella Kagit  
Best Label Enterprise Co Ltd  
Bluestar Siliconas  
Bostik  
Brady  
Braga Comercio Industria Ltda.  
Brother Tape Technology Co Ltd  
CCT (Coating and Converting Technologies)  
CMC Klebetechnik GmbH  
Collano Adhesives AG  
Cork Industries  
Cromogenia-Units S.A.  
Crown Van Gelder B.V.  
Cytec  
D&K Coating Technologies, Inc  
Da Shen Printing Machine Co Ltd  
Datum Colour Print (Hatfield) Ltd  
Dow Corning  
Drytac  
Dyna-Tech Adhesives, Inc.  
Dynaloy, Inc  
ECO Industry USA  
ECOSYNTHETIX  
Edson International  
Edward Graphic  
Emax Label Solutions  
EPS Materials  
Etiquetas Brasil Ltda  
Etiquettes Plus  
Eukalin Spezial Klebstoff Fabrik GMBH  
Expert Stephan Heuser GmbH & Co. KG  
Fangda Packaging Co., Ltd. (Hebei,China)  
Finjetchemical Industries Ltd  
Flint Group  
Fluid Ink Technology, Inc.  
Folex AG  
Forbo Bonding Systems  
Franklin Adhesives & Polymers  
Frimpeks A.S.  
Fujifilm UK Ltd  
Fuller, H.B. Company  
Golden Hontec Laser (Donnguan)  
Hontec Machinery)  
GROUPE MBC  
GSB-Wahl GmbH

H.B. Fuller Europe GmbH  
Halltech Inc.  
Henkel  
Huadi Machinery Co.,Ltd  
Hurkimsa Kimya San.  
**Icap-Sira Chemicals And Polymers Spa**  
Ichemco s.r.l.  
IdeOn LLC  
Innovative Adhesives  
Interflex Laser Engravers  
International Surface Technologies  
INX International Ink Co.  
ITW Dynatec  
Japan Pulp & Paper GmbH  
Jiaxing Haoneng Packing Co. Ltd  
K Laser Technology (USA) Co., Ltd.  
KCC Corporation  
Korea Branch of Bluestar  
Silicones HK Trading Co., Ltd  
Kyoto International Corporation  
Lombardi Converting Machinery Srl  
Mactac  
MAX International Converters Inc  
Metagalaxy Industries Co., Ltd.  
Minus Nine Technologies  
Mirage Inks Ltd  
MoistTech Corp.  
Momentive Performance Materials  
Nakata USA  
Nastrificio di Cassano SpA  
Natural Ink  
Neptune Tape Co., Ltd.  
Nicoat  
Nordson (UK) Ltd  
Novamelt  
Novamelt China  
Nukote International, Inc.  
Omnova Solutions Inc.  
Packaging Pro  
Paragon Inks Ltd  
Polyonics  
Precision Die Systems Corp.  
Premier Coating & Converters  
Prime UV Systems, Inc.  
Printech Machinery Trading Canada  
Printgraph SpA  
Printum UV  
Pulse Roll Label Products Ltd  
Rohm and Haas  
Rotolificio Pugliese Srl  
Rowat Inks BV  
Royal Adhesives and Sealants  
SaatiPrint S.p.A.  
Saiden Technologies  
SATO  
Seal King  
Shandong Taibao Anti-

Counterfeiting Technology Products Co., Ltd  
Shanghai Jaour Hot Melt Adhesive  
Shanghai Jinda Plastic Co., Ltd.  
Shenzhen Moma Technology Co., Ltd  
Sojitz Europe Plc  
Solutia Singapore Pte Ltd  
Spandex Group  
Specialty Tapes LLC  
Spring Coating Systems  
Squid Inks AG (Ltd.)  
Strata-Tac  
Taiwan Regional Association of Adhesive Tape Manufacturers  
Tech-Melt Adhesives Ltd.  
Tekra Corporation  
**tesa**  
Tex Year Industries Inc.  
Toyo Ink Arets NV  
uv-technik meyer gmbh  
Uvitec Printing Ink, Inc.  
V. Himark Technology Co Ltd  
Valco Melton UK  
VanDerEng BV  
VPF GmbH & Co. KG  
Wacker Chemie AG  
Weifang Donghang Graphic Technology Inc.  
Wenzhou OuHua Stationery Co Ltd  
Worthen Coated Fabrics  
Zeller+Gmelin Corp.  
Zhejiang Hexiang Printing Machinery Co Ltd  
Zhongshan Shuguan Self-Adhesive Products Co., Ltd

## Air-water treatment systems

Ahlbrandt System GmbH  
CONVERPACK Benelux B.V.  
DRAABE Humidification  
ECO Industry USA  
El Empaque+Conversion  
Flexo Wash LLC  
Gerhard Bartling GmbH Co KG  
Husson Inc.  
I.S.T. Italia Sistemi Tecnologici S.p.A.  
International Surface Technologies  
IRAC Srl  
Island Clean Air Inc  
NexGen Enviro Systems Inc  
Quartz Link Ltd  
Toc Maquinas Industriales SA  
De CV  
uv-technik meyer gmbh



[www.ruco-druckfarben.de/en/](http://www.ruco-druckfarben.de/en/)



[www.accraply.com](http://www.accraply.com)



[www.acucote.com](http://www.acucote.com)



[www.agergaard.de](http://www.agergaard.de)

**Anilox rolls**

Access Printing Solution  
 Agfa Graphics  
 Alphasonics  
 Anilox Laser Technology LTD - ALT  
 Apex International  
 Applied Laser Engineering Ltd.  
 ARC International  
 BAT Graphics  
 Benton Graphics Inc.  
 Beta Industries - The Quality  
 Control Company  
 BSB Rollers Ltd  
 C.T. Graphic Arts  
 Cheshire Anilox Technology Ltd  
 Conversource Inc.  
 Converttech Equipment Pvt Ltd  
 CTS Industries  
 Daetwyler SwissTec AG (Print)  
**Dantex**  
 DELTAPAK B.V.  
 Dynaloy, Inc  
 Edward Graphic  
 El Empaque+Conversion  
 Esterlam International Ltd  
 Eurograv Limited  
 FCT Corporation  
 Flexo Steel Industrial Ltda.  
 FLXON  
 Fuji Shoko Co. Ltd.  
 Harper Corporation of America  
 Harper Graphics GmbH  
 Harris & Bruno International  
 INOMETA GmbH  
 Interflex Laser Engravers  
 Laserlife Australia  
 Mark Andy  
 Max Daetwyler Corporation  
 Mona Equipments  
**Pamarco Global Graphics**  
 Polygraphica Equipment Ltd  
 Praxair  
 PrimeBlade Sweden AB  
 Print Systems  
 Printco Industries, LLC  
 Printech Tools & Technology  
 Provident  
 Quality Discount Press Parts &  
 Equipment  
 Ràdobla  
 RBCOR, LLC  
 Recyl SAS  
 Rossini  
 Rotary Technology (Guangzhou)  
 Co Ltd  
 Rotometal  
 RotoTechnix  
 Sandon Global  
 Sibress  
 Simec Group S.r.l.  
 Swedev AB  
 Tech Sleeves  
 Tech-Cell Ltd  
 TKM Meyer GmbH

TLS Anilox GmbH  
 Tower Products Inc.  
 Troika Systems Ltd  
 Ungricht  
 UV Graphic Technologies Pvt. Ltd.  
 (formerly GTI)  
 Weldon Celloplast Limited  
 Zecher GmbH

**Anilox rolls-press cleaning systems**

Access Printing Solution  
 Agfa Graphics  
 Alphasonics  
 Anilox Laser Technology LTD - ALT  
 Apex International  
 ARC International  
 Archem S.R.L  
 BAT Graphics  
 Beta Industries - The Quality  
 Control Company  
 BioBlast  
 Bradley Systems  
 Cheshire Anilox Technology Ltd  
 Conversource Inc.  
 Converttech Equipment Pvt Ltd  
 CTS Industries  
 D.W. Renzmann Apparatebau  
 GmbH  
**Dantex**  
 Deco Chem Inc.  
 DELTAPAK B.V.  
 DIP Co.  
 Distribuidora Gráfica Novaro, SA  
 de CV.  
 Doyle Systems (formerly)E Doyle  
 Co.)  
 Dynaloy, Inc  
 Eaglewood Technologies/Sani-  
 Blast  
 ECO Industry USA  
 Edward Graphic  
 FCT Corporation  
 Flexo Concepts  
 Flexo Wash  
 Flexoclean Engineering  
 FLEXOCLEANERS  
 Flexomaid  
 FNV Machinery  
 Graphbury Smart Solutions, LLC  
 Gritco Equipment BV  
 Harper  
 Harris & Bruno International  
 I.S.T. Italia Sistemi Tecnologici  
 S.p.A.  
 Impreglon Cellramic  
 Inglese S.r.l  
 INOMETA GmbH  
 International Surface  
 Technologies  
 IRAC Srl  
 Laser Eco Clean  
 Laserclean BV

LBL Enterprises  
 LPP Ltd  
 Max Daetwyler Corporation  
 Nanovis GmbH  
**Pamarco Global Graphics**  
 PolymagTek Inc.  
 Printech Tools & Technology  
 ProFlexo  
 Recyl SAS  
 RGK Video Systems  
 Sandon Global  
 Simec Group S.r.l.  
 Solutions Graphiques  
 Sonic Solutions LLC  
 Spring Coating Systems  
 Tech Sleeves  
 Tech-Cell Ltd  
 TEG TECHNOLOGIES, RESEARCH  
 AND DEVELOPMENT, S.L.  
 Titan Laboratories  
 TKM Meyer GmbH  
 TLS Anilox GmbH  
 Tower Products Inc.  
 Troika Systems Ltd  
 Ungricht  
 Weldon Celloplast Limited  
 Zecher GmbH

**Archival and filing systems**

El Empaque+Conversion  
 Graphbury Smart Solutions, LLC  
 Gulf Commercial Group  
 Jalema Filing Systems  
 Railex (Filing) Ltd  
 Sixtrue Srl

**Barcode systems**

ADVENT  
 AEBO Science Technology Co Ltd  
 Albertina Trading S.R.O.  
 ALS Engineering GmbH  
 ALTECH Srl  
 Altrapack Hungary Kft.  
 Arca Etichette Spa  
**ARMOR**  
 AstroNova ProductIdentification  
 QuickLabel  
 Atlantic Zeiser  
 Automatic Identification Systems  
 UK Ltd  
 Autopack Pte Ltd  
 Avery Dennison  
 Axicon Auto ID LLC  
 Barcodeandlabeling.com  
 Best Label Enterprise Co Ltd  
 Bitek Technology Inc. (anytron)  
 Bluhm  
 Brady  
 BUSKRO USA Ltd  
 cab Produkttechnik GmbH &  
 Co KG  
 Canon Finetech Inc.

Carl Ostermann Erben GmbH  
 (COE)  
 CleaningCard.com  
 Colordyne Technologies, LLC  
 Complete Inspection Systems Inc.  
 Computype  
 Currie Group  
 D Squared Technology Ptd Ltd  
 D.P.R. Labeling, LLC  
 Dakota Integrated Services  
 Datum Colour Print (Hatfield) Ltd  
 Digital Print Ltd  
 Dilli  
 DJM variable data printing  
 DOMINO  
 Domino Printing Sciences  
 Doranix  
 DPS Innovations LLC  
 Dropjet Makina Kimya San. Ltd.  
 Sti.  
 EASYLABEL Europa  
 Edwards Label  
 El Empaque+Conversion  
 EMERY WILLED SLU  
 EMWI Group  
 Episcan  
 Etilux  
 Etipack  
 Etisoft  
 Eurocoding  
 EyeC GmbH  
 Felins USA  
 FFEI  
 Formyflex  
 FRANCIS BUEHLER AG  
 Gainscha International Co LTD  
 General Labels & Labeling (M)  
 Sdn Bhd  
 Global Vision Inc  
 GODEX  
**Graphi Mecc srl**  
 Graphtech  
 GSE Dispensing  
 Gulf Commercial Group  
 Gulton Inc.  
 Hangzhou Todaytec Digital Co.,  
 Ltd.  
 Hapa AG  
 Hu Zhou HengXin Label  
 manufacture Co Ltd  
 Image Computer Systems  
 Impression Technology Americas  
 dba Rapid Label Systems  
 ImTech Inc.  
**Inkjet Solutions Limited**  
 Inkstar Office Appliance Factory  
 of Tianjin  
 Integrated Software Design (ISD)  
 Interactive Coding Equipment  
 (ICE)  
 iSys Label  
 ITW Thermal Films UK  
 Jolly Technologies Inc



www.akeboose.com



www.andersonvreland.com



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www.arconvert.com



www.armor-group.com





# The EkoCure<sup>®</sup> family of products

Cutting edge LED UV Inks, Coatings & Adhesives - available today!

LED curing will make your business much more competitive and offers total lower applied cost in UV Flexo!

UV LED Inks provide clear and tangible benefits, such as:

- Up to 50% reduction of energy cost
- Consistent cure control with ability to run presses faster

Flint Group Narrow Web offers full range of LED curings inks...

- **EkoCure<sup>®</sup> F** - The original standard UV LED Flexo range especially designed for PSL
- **EkoCure<sup>®</sup> XS** - Designed for Shrink applications with excellent adhesions, print quality, color strength & shrink ability
- **EkoCure<sup>®</sup> ANCORA** - Low Migration UV LED Flexo Ink with superb press performance & adhesion. Ideal for food packaging applications
- **EkoCure<sup>®</sup> Metallic inks** - Highest metallic effect and improved curing at high speeds
- ...A variety of high quality UV LED products



Do you want to know more about our UV LED products? Scan the QR code and get directed to [flintgrp.com](http://flintgrp.com)

K-D Hermann GmbH contact-  
Auszeichnungssysteme  
Kasha Ribbon  
KDS  
KICTeam  
Kirk-Rudy, Inc.  
Konica Minolta Business  
Solutions Europe GmbH  
Label-Aire A/S  
Lake Image Systems  
Leadman Technology (Astro-  
Med-QLS System, Asia)  
m print morlock gmbh co. kg  
MainStream LLC  
Mastercorp Group  
Matan Digital Printers  
Microplex  
Microscan Systems, Inc  
Mühlbauer GmbH & Co. KG  
Multifeeder Technology Inc  
Nicewear International, LLC  
Nipson France  
Novation, Inc.  
One Box Vision  
Open Data Srl  
Palmetto Imaging Technology,  
LLC  
Paragon Labeling Systems  
Paul Leibinger GmbH & Co. KG  
Paxar EMEA HQ  
Paxar/Avery Dennison  
PC Industries  
PCM Image-Tek  
Primera Technology Europe  
Primera Technology, Inc  
Print On Labels  
Printech System PTE Ltd.  
Printex Srl  
Printing Technology Services, Inc.  
PRISYM ID  
Prototype & Production Systems,  
Inc./ DICE Graphic Technologies  
Q.I. Press Controls  
QIPC-EAE Americas  
QuickLabel Systems  
REA JET GmbH  
Reconcile Engineering Ltd.  
ROFIN-BAASEL, Inc.  
S.S.I, Inc  
Sai Poland  
SATO  
Seagull Scientific  
Sermar Machines Srl  
Sew Access (Far East) Ltd  
Shandong New Beiyang  
Information Technology Co., Ltd.  
Simple Solutions and Innovations  
Inc  
SNBC Orient Technologies  
SoftSolutions, Inc.  
Spandex Group  
StarTrack Europe v.o.f.  
Stratix Corporation  
TAIYO KIKAI CO.,LTD.  
Tanto Labels  
TEC-IT Datenverarbeitung GmbH  
Tharo Systems, Inc.  
Thermal Printer Support Ltd  
Thermal Transfer Solutions Ltd  
Transfer Trade s.r.l.

TTR Euroworks BV  
Typerite  
Union Chemcar Europe  
VINSAK  
**VIP Color**  
Weber  
Webscan Inc  
WRH Global Americas  
Xiamen Delish Automation  
Equipment Co., Ltd  
Xinxiang Fineray Technology Ltd  
Yeuell Nameplate & Label  
Zhongshan Shuguan Self-  
Adhesive Products Co., Ltd

#### Booklet processing systems

adphos Digital Printing GmbH  
Aquaflax  
Bluhm  
BOGRAMA AG  
Controls Engineering  
CSAT America LLC  
CSAT GmbH  
**Daco Solutions Ltd**  
Edwards Label  
Fix-A-Form Engineering Solutions  
LLC  
G&K-Vijuk Intern. Corp.  
GIC (GRAPHIC INTERFACE  
CONCEPT)  
Global Vision Inc  
Graphtech  
Gulf Commercial Group  
Herzog + Heymann  
Konica Minolta Business  
Solution U.S.A. Inc.  
KPG  
**Longford International Ltd**  
Mühlbauer, Inc.  
PowerForward Inc.  
Printing Technology Services, Inc.  
Printum GmbH  
ProFlexo International - Chile  
Rosas GmbH  
ROTOCONTROL  
Universal Print Partners  
VAN ZALINGE Benelux B.V.  
Weber

#### Card and board materials

Adesivos Ltd  
Aluminium Feron GmbH & Co. KG  
API Foils  
Arjobex/Polyart  
Avery Dennison - Label and  
Packaging Materials Europe  
Baker Self Adhesive Materials  
Baumeister, Erich GmbH  
Beta Industries - The Quality  
Control Company  
Bluhm  
Camelot Papers Inc  
Clear Cast Technologies Inc.  
Continental Datalabel  
Convert-all, Inc.  
Coveme S.p.A  
Dakota Integrated Services  
Do-It Corporation

Dynic  
Féron GmbH & Co. KG  
Flexcon Europe Ltd  
FUJIAN TAIXING SPECIAL PAPER  
CO, LTD  
GIC (GRAPHIC INTERFACE  
CONCEPT)  
GIETZ AG  
Gombau Group  
Granwell Products / Polyolith  
**Graphi Mecc srl**  
Greenstik Limited  
Henkel Electronic Materials LLC  
Hollingsworth & Vose Company  
Hurkimsa Kimya San.  
Hutchison Miller Sales Co  
HuZhou Hengxin Trademark  
Making Bringing Co Ltd  
Impresstik Pty Ltd  
Italstick Self Adhesive Materials &  
Coatings  
ITL Group  
Kimberly-Clark, Technical Paper  
Klöckner Pentaplast  
KWH Plast Ltd  
Lana Papiers Spéciaux II  
LECTA  
Mark Products Corp  
Masterpiece Graphix  
Matthias Paper Corporation  
Mitsubishi HiTec Paper  
Optimum Metallising  
Pap'Argus  
Papertec Inc  
Papeteries du Pont de Claix  
Perez Trading Company  
Phoenix Packaging/Premier Cuts  
ProFlexo International Ricoh  
ROCHEUX INTERNATIONAL  
Sappi  
Seibert - PFV  
Shenzhen Moma Technology Co.,  
Ltd  
Shuanglin Texlabel Production Ltd  
Sidaplast  
Smith & McLaurin Ltd  
Tech Folien Ltd  
TraceTag International Ltd  
TRENCILO, S.L.  
UBIQUE.TAG  
Universal Print Partners  
**UPM Raflatrac**  
V. Himark Technology Co Ltd  
Valéron Strength Films  
Verso Specialty Papers  
Wabash Coated Papers  
Weber  
Weifang Donghang Graphic  
Technology Inc.  
Worthen Coated Fabrics  
X-Film Selbstklebefolien GmbH  
**Xeikon**

#### Charging and discharging systems

DELTAPAK B.V.  
Doyle Systems (formerly JE Doyle  
Co.)  
Eltex Elektrostatik GmbH

Euroto Limited  
Ferrarini & Benelli srl  
Fraser Anti Static Techniques Ltd  
Hamamatsu Photonics  
Hurlertron Inc.  
KAMMANN Maschinenbau  
GmbH  
Kar Ming Industrial Supplies Co  
Ltd  
KERSTEN Elektrostatik GmbH  
Meech  
MKS, Ion Industrial  
Pillar Technologies - An ITW  
Company  
Simco (Nederland) B.V.  
Spengler Electronic AG  
Svecom  
Tantec A/S

#### Coating-laminating machines

Maan Engineering BV  
3M Europe  
A&M Kinzel Siebdruckmaschinen  
AB Graphic International Ltd  
ABBA Roller  
Adhesive Technical Services Ltd  
Advanced Machinery NV  
Afinia Label  
Alpha Lasertek India Ltd  
American Ultraviolet  
Aradiant  
Beijing Zongnoc Automatic  
Technology co.,Ltd  
bielomatik Leuze GmbH + Co. KG  
Bobst Manchester Limited  
Bostik (Shanghai) Management  
Co. Ltd  
Bostik, Inc.  
Brother Tape Technology Co Ltd  
C. A. Litzler Co., Inc.  
Catbridge Machinery  
ChemInstruments  
Chemsultants  
Coatema Coating Machinery  
GmbH  
**Contiweb**  
CONVERPACK Benelux B.V.  
Corona Supplies Ltd  
CPD the Coated Products Division  
of PCI  
Cromogenia-Units S.A.  
Currie Group  
D&K Coating Technologies, Inc  
Davis-Standard, LLC  
Delta ModTech  
DG Press  
DIAVY SRL  
Dilli  
Dorey Converting Systems  
DPL Industri A/S  
DRI-TEC UNLIMITED LLC  
Drytac  
Dynaloy, Inc  
E-Max  
Ehret Control GmbH  
Esterlam International Ltd  
ETI Converting Equipment



[www.ashe.co.uk](http://www.ashe.co.uk)



[www.astronovainc.com](http://www.astronovainc.com)



[www.bel.gr](http://www.bel.gr)



[www.berhalter.com](http://www.berhalter.com)



Eurograv Limited  
FAES AG  
Faustel, Inc.  
Ferrostaal AG  
Fuji Shoko Co. Ltd.  
Futec Europe GmbH  
Global Graphic Equipment Ltd  
Graphtec Corporation  
Hannecard NV  
Heat Technologies Inc.  
HIP-Mitsu s.r.l.  
Hunkeler AG  
Hurkimsa Kimya San.  
INOMETA GmbH  
Interactive Inks & Coatings  
Interface Srl  
ITW Dynatec  
Karlville Development LLC  
Kompac Technologies  
Kongsilde Industries A/S  
KROENERT  
Kwang Dah Enterprises Co Ltd  
Label Industry Consultants (& Machinery) Ltd  
Lohmann GmbH & Co KG  
Maan Engineering B.V.  
MacDermid Graphics Solutions  
Markem-Imaje CSAT GmbH  
Megtec Systems  
Metagalaxy Industries Co., Ltd.  
Mühlbauer  
Nakata USA  
NDC Spray Coating System  
Fabricating Co., Ltd.  
Nordmeccanica  
Nordson Engineering GmbH  
Novaflex Inc / DCM Group  
Nukote International, Inc.  
Pagendam BTT GmbH  
Pasquini & Kromer GmbH  
PCM Image-Tek  
Pelikan Hardcopy Scotland Ltd  
Perez Trading Company  
Pillar Technologies - An ITW Company  
Polytype America Corp  
Precision Die Systems Corp.  
Preco, Inc.  
Printco Industries, LLC  
Printum  
Process Sensors Corporation  
ProFlexo International  
Ravenwood Packaging Ltd  
Rayven, Inc  
Retroflex Inc.  
RK Siebdrucktechnik GmbH  
Rotomec - Bobst Group Italia  
S.p.A. (Bobst Group)  
SaatiPrint S.p.A.  
Shantou Yiming Holotech  
Machine Co Ltd  
Sijoa - Sociedade de  
Representacoes e Comercio  
Soma Engineering  
Southern Lamps Inc  
Spandex Group  
Summa  
Tec Lighting, Inc.  
thelamco, inc.  
Titan Laboratories

TKM Meyer GmbH  
Tresu A/S  
TRESU Group  
Trojan Color Systems  
Ungricht  
UniNet  
UTECO NORTH AMERICA INC.  
UV Graphic Technologies Pvt. Ltd.  
(formerly GTI)  
Uvitec Printing Ink, Inc.  
V. Himark Technology  
Vacmet Packagings (India) Pvt Ltd  
Valco Melton UK  
VAN ZALINGE Benelux B.V.  
Werosys ApS  
Zeller+Gmelin UK

### Coatings and varnishes

Applied Rigaku Technologies, Inc.  
Ashland  
Braden Sutphin Ink  
Dunmore  
Dyna-Tech Adhesives, Inc.  
Edson International  
Frimpeks A.S.  
GCC Europe BV  
Harper Corporation of America  
Interflex Laser Engravers  
Kompac Technologies  
Konica Minolta Business  
Solutiona U.S.A. Inc.  
**Michelman**  
Natural Ink  
Nazdar Ink Technologies  
Nicoat  
Precision Die Systems Corp.  
Premier Coating & Converters  
Prime UV Systems, Inc.  
Pulse Roll Label Products Ltd  
Siegwerk Environmental Inks  
Wikoff Color Corporation  
Zecher GmbH  
Zhejiang Ouli Digital Inkjet  
Materials Co Ltd

### Coding and marking

MLT - Micro Laser Technology  
GmbH  
A&M Kinzel Siebdruckmaschinen  
AEBO Science Technology Co Ltd  
Amica Systems (Europe) B.V.  
API Foils  
**ARMOR**  
AstroNova ProductIdentification  
QuickLabel  
Axicon Auto ID LLC  
Berkeley Machinery  
bielomatik Leuze GmbH + Co. KG  
cab Produkttechnik GmbH &  
Co KG  
Computype  
Datacon Technology  
Digital Print, Inc.  
DOMINO  
Domino Printing Sciences  
DPS Innovations LLC  
Dropjet Makina Kimya San. Ltd.  
Sti.

DSE  
Dync UK Ltd  
Erhardt & Leimer, Inc  
FFEI  
FRANCIS BUEHLER AG  
**Graphi Mecc srl**  
Hapa AG  
IIMAK  
**Inkjet Solutions Limited**  
Interactive Coding Equipment  
(ICE)  
ITW Foils BV  
Jiaozuo Zhuorim Digital Material  
Co Ltd  
Kasha Ribbon  
KBA-MePrint AG  
Kirk-Rudy, Inc.  
Lemmaco Kft  
m print morlock gmbh co. kg  
Markem-Imaje CSAT GmbH  
Mimaki Europe BV  
Multifeeder Technology Inc  
Mutoh Belgium n.v.  
Nazdar Ink Technologies  
Novation, Inc.  
Palmetto Imaging Technology,  
LLC  
PDC International Corporation  
Printing Technology Services, Inc.  
Prototype & Production Systems,  
Inc./ DICE Graphic Technologies  
Provident  
Rea Jet  
REA JET GmbH  
Reconcile Engineering Ltd.  
Ricoh  
Ryeco  
Sermar Machines Srl  
Shandong New Beiyang  
Information Technology Co., Ltd.  
Shanghai Realtac Trading  
Company Ltd  
Sixtrue Srl  
StarTrack Europe v.o.f.  
**tesa**

Test Supplier | Enhanced  
Thermal Printer Support Ltd  
Thermal Transfer Solutions Ltd  
Thiele Technologies  
Transfer Trade s.r.l.  
TTR Euroworks BV  
Typerite  
Union Chemcar Europe  
VAN DEN BERGH Consulting  
bvba  
VanDerEng BV  
Vellerino Sdi  
**VIP Color**  
Voyantic Ltd  
Xinxiang Fineray Technology Ltd

### Cold foiling

API Foils  
Bar Graphic Machinery Ltd  
Continental Datalabel  
Currie Group  
Da Shen Printing Machine Co Ltd  
DG Press  
DIAVY SRL

Digital Print, Inc.  
DOMINO  
Domino Printing Sciences  
Dragon Foils Limited  
Edson International  
Far East Yu La Industry Limited  
FUJIAN TAIXING SPECIAL PAPER  
CO, LTD  
Griff Paper and Film  
Heidelberger Druckmaschinen AG  
Infinity Foils, Inc- UEI Group  
Company  
ITW Foils  
K Laser Technology (USA) Co., Ltd.  
KBA Latina  
KURZ, LEONHARD, Stiftung &  
Co. KG  
L C Trade  
Label Industry Consultants (&  
Machinery) Ltd  
Lemmaco Kft  
MGI  
Minus Nine Technologies  
**MPS Systems B.V.**  
Multitec Aids Pvt Ltd  
Nicoat  
Pack Vision BV  
Shandong Taibao Anti-  
Counterfeiting Technology  
Products Co., Ltd  
Starfoil Technology Netherlands  
bv  
Tangshan Wanjie Europe  
Telstar Engineering Inc.  
Test Supplier | Enhanced  
Toyo Ink Arets NV  
TTR Euroworks BV  
Typerite  
UEI Falcontec  
Univacco Foils Corporation  
VAN DEN BERGH Consulting  
bvba  
Werosys ApS  
Zhejiang Zhongjia Technology  
Co Ltd

### Color management and control

All Printing Resources  
Amica Systems (Europe) B.V.  
Anilox Laser Technology LTD - ALT  
Athena Graphics  
AVT  
Beta Industries - The Quality  
Control Company  
Bitek Technology Inc. (anytron)  
Braden Sutphin Ink  
**BST eltromat International**  
CC1, INC  
CGS Publishing Technologies  
International, LLC  
Color Management Group (CMG)  
Color Resolutions International,  
LLC  
Color-Logic Inc  
Color-Tec  
Continental Datalabel  
CT Graphic Arts  
DALIM SOFTWARE GmbH



www.bst.group



Comercial Arque



www.contiweb.com



www.daco-solutions.com

Datum Colour Print (Hatfield) Ltd  
Decosystem SRL  
DELTAPAK B.V.  
Distribuidora Gráfica Novaro, SA de CV.  
Dropjet Makina Kimya San. Ltd. Sti.  
DVS Quality Solutions Limited  
EFI  
eltromat GmbH  
Esko  
Fag Graphic Systems SA  
FFEI  
Flexoclean Engineering  
Flint Group  
Four Pees  
Fujifilm  
Global Graphics Software  
GMG Americas  
Goss International  
management and control  
All Printing Resources  
Amica Systems (Europe) B.V.  
Anilox Laser Technology LTD - ALT  
Athena Graphics  
AVT  
Beta Industries - The Quality Control Company  
Bitek Technology Inc. (anytron)  
Braden Sutphin Ink  
**BST eltromat International**  
CC1, INC  
CGS Publishing Technologies International, LLC  
Color Management Group (CMG)  
Color Resolutions International, LLC  
Color-Logic Inc  
Color-Tec  
Continental Datalabel  
CT Graphic Arts  
DALIM SOFTWARE GmbH  
Datum Colour Print (Hatfield) Ltd  
Decosystem SRL  
DELTAPAK B.V.  
Distribuidora Gráfica Novaro, SA de CV.  
Dropjet Makina Kimya San. Ltd. Sti.  
DVS Quality Solutions Limited  
EFI  
eltromat GmbH  
Esko  
Fag Graphic Systems SA  
FFEI  
Flexoclean Engineering  
Flint Group  
Four Pees  
Fujifilm  
Global Graphics Software  
GMG Americas  
Goss International  
Grafikontrol North America  
Graphbury Smart Solutions, LLC  
Graphics Microsystems Inc  
GretagMacbeth AG  
GSB-Wahl GmbH  
GSE Dispensing  
GTI GmbH  
GTI Graphic Technology, Inc.

Hamamatsu Photonics  
Hamillroad Software Ltd  
Harper Corporation of America  
Heidelberger Druckmaschinen AG  
Hybrid Software  
IGT Testing Systems  
Innolutions, Inc  
Interactive Inks & Coatings  
INX International Ink Co.  
ISRA Vision AG  
JUST Normlicht GmbH  
Konica Minolta Business Solution U.S.A. Inc.  
Lake Image Systems Ltd  
Luminate Products Corp.  
Memjet Labels  
Mimaki Europe BV  
Monarch Color Corp.  
Nicewear International, LLC  
Nikka Research Deutschland GmbH  
Norcote  
Paragon Inks Ltd  
PC Industries  
Perfecto Web-Control Pvt Ltd  
Print Proof Solutions B.V.  
Print Systems  
Printum UV  
Q.I. Press Controls  
QIPC-EAE Americas  
QuadTech  
Rena, a Neopost Brand  
**RK Print Coat Instruments Ltd**  
Roland DG  
Sandon Global  
Selectra Srl  
Sibress  
Siegwerk Environmental Inks  
Siegwerk USA Co  
SPEC, Inc  
Sun Chemical  
Techkon GmbH  
Techkon USA  
Tecmec Iberica  
Tectonic International Ltd  
Test Supplier | Enhanced  
Tresu A/S  
TRESU Group  
Trinity Graphic USA Inc  
Trojan Color Systems  
**Trojanlabel**  
Vale-Tech Ltd  
Wasatch Computer Technology, LLC  
Wikoff Color Corporation  
X-Rite  
**Xeikon**  
Zeller+Gmelin UK

#### Color proofing equipment

Agfa Graphics  
Anilox Laser Technology LTD - ALT  
Beta Industries - The Quality Control Company  
BST  
CGS Publishing Technologies International, LLC  
Collomix GmbH  
Compose System Ltd

CT Graphic Arts  
DALIM SOFTWARE GmbH  
**Dantex**  
Datum Colour Print (Hatfield) Ltd  
Distribuidora Gráfica Novaro, SA de CV.  
Douthitt Corporation  
Eastman Kodak Company  
eltromat GmbH  
Episcan  
Epson Europe  
EyeC GmbH  
Fag Graphic Systems SA  
FFEI  
Foster Manufacturing Company  
Fujifilm North America Corporation  
Fujifilm UK Ltd  
Global Graphics Software  
Global Vision Inc  
Grafikontrol North America  
GretagMacbeth AG  
GSE Dispensing  
GTI GmbH  
Hamillroad Software Ltd  
Harper Corporation of America  
Harper Graphics GmbH  
HP Indigo  
IGT Testing Systems  
ISRA Vision Parsytec  
JM Heaford Ltd  
JUST Normlicht GmbH  
Kodak SA/NV  
Lake Image Systems Ltd  
Laserlife Australia  
Mimaki Europe BV  
Mutoh Belgium n.v.  
One Box Vision  
PC Industries  
Perfect Proofer by Integrity Engineering  
Print Proof Solutions B.V.  
Proveedora Flexografica  
Q.I. Press Controls  
QIPC-EAE Americas  
QuadTech  
RBCOR, LLC  
**RK Print Coat Instruments Ltd**  
Sigrist Engineering AG  
Techkon GmbH  
Testing Machines Inc..  
Thwing Albert Instrument Company  
Vale-Tech Ltd  
X-Rite  
Xante  
Xpedx

#### Cores and core cutters

Adolf Brodbeck Maschinenbau GmbH & Co. KG  
Aghili Drucktechnik  
Apexrotech Industries  
Appleton MFG Div., Productive Solutions, Inc.  
Appleton Mfg. Division  
Blower Application Company  
Buycores.com by The Newark Group

Core Systems International  
Dienes Werke für Maschinenteile GmbH & Co. KG  
DJ's Core  
Double E Company  
Double H Plastics  
DSE  
EM2  
EMT International  
Formyflex  
Grafisk Maskinfabrik  
Grafotronic AB  
GRINCOURT  
Guidolin Giroto S.R.L.  
Han Yang Industries  
Heartland Products Group  
Holtby Williams International  
Jurmest Sp. z o.o. Sp.K.  
Label Industry Consultants (& Machinery) Ltd  
Lemorau  
**Lemu Talleres SA**  
Nagel Paper  
Ox Paper Tube & Core Inc  
Parkland International  
PGI TECHNOLOGIES PVT. LTD  
Precision AirConvey Corp  
Schlumpf AG  
SRC Systems Limited  
Starfoil Technology Netherlands bv  
TGW International Inc.  
Wasberger Label Equipment  
Western Container Corporation  
Yazoo Mills, Inc.

#### Corona and flame treaters

3DT LLC  
Advanced Machinery NV  
AFS Entwicklungs und Vertriebs GmbH  
Ahlbrandt System GmbH  
Arcotec GmbH  
Boussey Control Europe  
Corona Supplies Ltd  
Corotec Corporation  
DELTAPAK B.V.  
Dyne Technology Ltd  
Enercon Industries Corporation  
Engineered Metals Corporation  
Ferrari & Benelli srl  
Grafikontrol North America  
Graphbury Smart Solutions, LLC  
Hamamatsu Photonics  
IEEC - PBJ Industrial Electronic Pvt Ltd  
IEEC POWER ELECTRONICS PVT. LTD  
Jemmco, LLC  
Kar Ming Industrial Supplies Co Ltd  
Kompac Technologies  
Martignoni Elettrotecnica Srl  
Nakata USA  
Pillar Technologies - A Division of ITW, Inc.  
Pillar Technologies - An ITW Company  
Proact Converting Equipment



www.dantex.com



www.dcm.fr



www.bobst.com



www.durst-group.com



Rycobel NV  
 Sherman Treathers  
 SOA INTERNATIONAL, LLC  
 SOFTAL Corona & Plasma GmbH  
 Sohnrey Industrietechnik  
 SPDI Inc  
 Tantec A/S  
 Tantec Inc.  
 Union Chemcar Europe  
 UV Process Supply, Inc.  
 Vetaphone  
 Weldon Celloplast Limited

### Cutting/stamping machines

MLT - Micro Laser Technology GmbH  
 A&M Kinzel Siebdruckmaschinen  
 AB Graphic  
 Affordable Automation  
 Afinia  
 Aghili Drucktechnik  
 Allen Datagraph Systems, Inc.  
 ALS Engineering GmbH  
 Arpeco  
 Beijing Zonggoc Automatic Technology co.,Ltd  
**Berhalter AG**  
 Blumer Maschinenbau AG  
 BOGRAMA AG  
 Carltex Industries (Taiwan) Corp.  
 Cartes S.r.l.  
 Catbridge Machinery  
 CMC Klebetechnik GmbH  
**Comercial Arqué, S.A.**  
 Contech  
**Contiweb**  
 Creative Machinery & Technologies Ents.  
**Daco Solutions Ltd**  
 Datum Colour Print (Hatfield) Ltd  
**DCM USIMECA**  
 Delta ModTech  
 DG Press  
 Dienes Werke für Maschinenteile GmbH & Co. KG  
 Dorey Converting Systems  
 E.C.H. Will GmbH  
 Edale Ltd  
 Emmendinger Maschinenbau GmbH  
 EMT International  
 Epilog Laser  
 Esko  
 Expert Stephan Heuser GmbH & Co. KG  
 FAES AG  
 FLEXOR (EMIS) Ltd  
 FRESCHI ITALIA S.R.L.  
 Future Pack / KOREA  
 Gannicott Limited  
 GIC (GRAPHIC INTERFACE CONCEPT)  
 GIETZ AG  
 Gold Fai Machinery  
 Golden Hontec Laser (Donnguan Hontec Machinery)  
 Grafotronic AB  
 Graphtec Corporation  
 Guidolin Giroto S.R.L.

Hans-Gronhi Graphic Technology Company Limited  
 Helios Elio Cavagna srl  
 Herzog + Heymann  
 Holtby Williams International  
 Holweg-Weber  
 Huadi Machinery Co.,Ltd  
 Hunkeler AG  
 Infinity Foils, Inc.- UEI Group Company  
 Jiaozuo Zhuorim Digital Material Co Ltd  
 Jurmet Sp. z.o.o. Sp.K.  
 Karlville Development  
 KBA Latina  
 Kocher + Beck GmbH + Co.  
 Rotationsstanztechnik KG  
 Komori-Chambon  
 Kugler-Womako GmbH  
 Kumar Labels  
 Label Industry Consultants (& Machinery) Ltd  
 Lieben Dies  
 Link Label Machinery Co Ltd  
 Lombardi Converting Machinery Srl  
 Lutz GmbH & Co. KG  
 m print morlock gmbh co. kg  
 MBO America  
 Meccanica Maggiore  
**MELZER maschinenbau GmbH**  
 Mühlbauer  
 New Solution S.A.  
 Newart Ltd  
 Packers  
 PCM Image-Tek  
 PGI TECHNOLOGIES PVT. LTD  
**Polar-Mohr**  
 Precise Graphic India Pvt Ltd  
 Preco, Inc.  
 Printum GmbH  
 Prisma Srl  
 ProFlexo International  
 Rapid Label Systems  
 Rietstack  
 Rollem USA  
 Rosas GmbH  
 ROTOCONTROL  
 Rotoflex  
 Ruian Jingda Printing Machinery Co Ltd  
 Sam Meccanica Srl  
 SANJO Semi-rotary Presses  
 Schober USA, Inc.  
 Schobertechnologies GmbH  
 SEI Laser  
 Serame  
 Shantou Yiming Holotech Machine Co Ltd  
 SMAG (SRAMAG SAS)  
 Sohn Mfg  
 Soma Engineering  
 Spartanics  
**Spilker GmbH**  
 SRC Systems Limited  
 Starfoil Technology Netherlands bv  
 STOMA GmbH  
 Summa  
 Summa, Inc.

Suntech & Ko LLC  
 Tangshan Wanjie Europe  
 Thomson National Press Co  
 Trojan Color Systems  
**Trojanlabel**  
 Unigraphica AG  
 Universal Engraving, Inc.- UEI Group Company  
 VAN ZALINGE Benelux B.V.  
 WEIGANG Machinery  
 Werosys ApS  
**Wink Stanzwerkzeuge GmbH & Co. KG**  
 Xiamen Delish Automation Equipment Co., Ltd  
 Zhongshan Shuguan Self-Adhesive Products Co., Ltd

### Cylinders, printing and magnetic

Action Rotary Die, Inc.  
 Anilox Laser Technology LTD - ALT  
 Apple Die  
 Applied Laser Engineering Ltd.  
 BAT Graphics  
 Bunting Magnetics Co.  
 Conversource Inc.  
 DELTAPAK B.V.  
 Electro Optic  
 ESON CZ s.r.o.  
 Form-und Stanztechnik GmbH  
**Gallus Ferd. Rüesch AG**  
 Gardall Manufacturing Corporation  
 General Metal Engraving  
 Hell Gravure Systems GmbH & Co. KG  
**Holfeld Tool & Die Ltd**  
 Interflex Laser Engravers  
 Kocher + Beck  
 Kris Flexipacks Pvt Ltd  
 LARTEC - Flexible Dies  
 Lederle Machine Company  
 Luminite Products Corp.  
 New Solution S.A.  
 Nu Tech Coatings, LLC  
 PGI TECHNOLOGIES PVT. LTD  
 Platingtech Beschichtung GmbH  
 Precise Graphic India Pvt Ltd  
 ProFlexo International  
 Reel To Reel International Ltd  
 Rollem USA  
 Rossini UK Ltd  
 Rotary Die Company Sp. z o.o.  
 Rotary Technology (Guangzhou) Co Ltd  
 Rotometal  
 RotoMetrics  
 RotoTechnix  
**Sinkotech**  
**Spilker GmbH**  
 Suron A.C.A. Ltd.  
 Svecom  
 Synthogra  
 TD Wright Inc  
 Tech Sleeves  
 TKM Meyer GmbH  
 Universal Engraving, Inc.- UEI Group Company

UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
 Weldon Celloplast Limited  
 Wilson Manufacturing Co.  
**Wink Stanzwerkzeuge GmbH & Co. KG**  
 Zecher GmbH

### Data processing services

Athena Graphics  
**BEL Computer Systems**  
 Bitek Technology Inc. (anytron)  
 CHILI Publish  
 Hybrid Software  
 ISRA Vision Parsytec  
 Nikka Research Deutschland GmbH  
 One Box Vision  
 SoftSolutions, Inc.  
 theurer.com  
 TLS Anilox GmbH  
 X-Rite Europe GmbH

### Desktop printers

A&M Kinzel Siebdruckmaschinen  
 ADVENT  
 AEO Science Technology Co Ltd  
 Afinia  
 AstroNova ProductIdentification  
 QuickLabel  
 Atlantic Zeiser  
 Atwell Self-Adhesive Labellers  
 Automatic Identification Systems  
 UK Ltd  
 Bitek Technology Inc. (anytron)  
 Brady  
 cab Karlsruhe GmbH & Co KG  
 Canon Finetech Inc.  
 CleaningCard.com  
 CleanTech Cleaning Cards  
 Colordyne Technologies, LLC  
 Computype  
 Crest Solutions  
 D.P.R. Labeling, LLC  
 Dakota Integrated Services  
 Digital Print Ltd  
 DJM variable data printing  
 Dropjet Makina Kimya San. Ltd.  
 Sti.  
 DuraFast Label Company  
 Durafos Inc  
 EMERY WILLED SLU  
 EMWI Group  
 Epson  
 Fujifilm North America Corporation  
 Gainscha International Co LTD  
 GODEX  
 Godex International Americas  
 Graphic Marking Systems  
 Graphtec Corporation  
 Gulf Commercial Group  
 Gulton Inc.  
 Hu Zhou HengXin Label manufacture Co Ltd  
 Image Computer Systems  
 Impika  
 Impression Technology Europe



www.silicones.elkem.com



www.focuslabel.com



www.gallus-group.com



www.graphimecc.it

ImTech Inc.  
**Inkjet Solutions Limited**  
 ITL Group  
 ITW Thermal Films UK  
 Iwatsu Electric Co Ltd  
 KICTeam  
 Leadman Technology (Astro-Med-QLS System, Asia)  
 M Print LLC  
 MainStream LLC  
 Mastercorp Group  
 Matan Digital Printers  
 Memjet Labels  
 Microplex  
 Mimaki  
 Modi Paper & Label Systems  
 Mutoh Belgium n.v.  
 NeuraLabel Printing Solutions  
 OKI Europe Ltd  
 Palmetto Imaging Technology, LLC  
 Paul Leibinger GmbH & Co. KG  
 Paxar/Avery Dennison  
 Positive ID Labelling Systems  
 Primera Technology, Inc  
 Print On Labels  
 PRISYM ID Limited  
 Prototype & Production Systems, Inc./ DICE Graphic Technologies  
 QuickLabel Systems  
 Rebo Bv  
 Rena, a Neopost Brand  
 Roland DG  
 Rti Digital  
 S.S.I., Inc  
 Screen USA  
 Seagull Scientific  
 Shandong New Beiyang  
 Information Technology Co., Ltd.  
 Simple Solutions and Innovations Inc  
 Sovereign Labelling Systems Ltd  
 Spandex Group  
 SSI  
 Stratix Corporation  
 Summa  
 Summa, Inc.  
 Systems Print Media Ltd  
 Tanto Labels  
 Test Supplier | Enhanced  
 Tharo Systems, Inc.  
 Thermal Printer Services Ltd  
 Thermal Transfer Solutions Ltd  
 Transfer Trade s.r.l.  
 Union Chemcar Europe  
**VIP Color**  
 Zebra Technologies Europe Limited

#### Dies and tooling (rotary and flatbed)

Action Rotary Die, Inc.  
 Affordable Automation  
**Anderson Europe GmbH**  
 Apple Die  
 Atlas Die  
 Atlas Die LLC  
**Berhalter AG**  
 Best Cutting Die

Blumer Maschinenbau AG  
 Brenna Srl  
 Bunting Magnetics Co.  
 Central Ink Corporation  
 CONVERPACK Benelux B.V.  
 David K. Hart Company  
 De Rossi Vittoriano S.r.l.  
 DELTAPAK B.V.  
 Diehard Dies Pvt Ltd  
 Dienes Werke für Maschinenteile GmbH & Co. KG  
 DMS, INC.  
 Drohmann GmbH Easycut  
 DSE  
 Durafos Inc  
 Ehret Control GmbH  
 Electro Optic (Asia) Pvt. Ltd.  
 Electro Optic US  
 Electro Optic Werkzeugtechnik GmbH  
 Emmendinger Maschinenbau GmbH  
 EMT International  
 ESON CZ s.r.o.  
 Flexo Label Advantage Group LLC (FLAG)  
 Form-und Stanztechnik GmbH  
 FST GmbH  
 Gannicott Limited  
 Gardall Manufacturing Corporation  
 General Metal Engraving  
 Glunz & Jensen  
 GRINCOURT  
**Holfeld Tool & Die Ltd**  
 ITW  
 Kar Ming Industrial Supplies Co Ltd  
 Karl Marbach GmbH & Co. KG  
 Kocher + Beck GmbH & Co.  
 Rotationsstanztechnik KG  
 Kocher+Beck USA, L.P.  
 Komori-Chambon  
 KURZ, LEONHARD, Stiftung & Co. KG  
 LARTEC - Flexible Dies  
 Lederle Machine Company  
**Lemu Talleres SA**  
 Lieben Dies  
 Madern  
 Meaden Precision Machined Products  
 Midway Rotary Die Solutions  
 Neryos SAS  
 Newart Ltd  
 Packers  
**Polar-Mohr**  
 Precise Graphic India Pvt Ltd  
 Printing Machinery Company (PMC)  
 Printum UV  
 Pro-Cut Dies Ltd  
 ProFlexo International  
 Quadrel Labeling Systems  
 RM (Rotary) Services Ltd  
 Rold GmbH  
 Rollem USA  
 Rotary Die Company Sp. z o.o.  
 Rotary Technology (Guangzhou) Co Ltd

Rotometal  
 RotoMetrics  
 RotoTechnix  
 Schober  
 Simonds/Notting Steel Rule Division  
**Sinkotech**  
 Sohn Mfg  
 Specialised Perforating Services  
**Spilker GmbH**  
 Stamfag  
 STOMA GmbH  
 Suron A.C.A. Ltd.  
 TD Wright Inc  
 TECHNIFORM  
 Techniform  
 Tools & Production Inc.  
 UEI Falcontec  
 UEI Falcontec - Switzerland  
 Universal Engraving, Inc.- UEI Group Company  
 UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
 W&D Machinery Co., Inc.  
 Wilson Manufacturing Co.  
**Wink Stanzwerkzeuge GmbH & Co. KG**

#### Digital converting equipment

AB Graphic  
 Afinia  
 Allen Datagraph Systems, Inc.  
 ALS Engineering GmbH  
**Ashe Converting Equipment**  
 AzTech Converting Systems  
 B. Bunch Company, Inc.  
 Bar Graphic Machinery Ltd  
 BOGRAMA AG  
 Brady Brotech Graphics Co., Ltd  
 Carl Ostermann Erben GmbH (COE)  
 Cartes S.r.l.  
 Colordyne Technologies, LLC  
 COMPONEX INC  
 Continental Datalabel  
**Contiweb**  
 CONVERPACK Benelux B.V.  
 Converting Equipment  
 International Inc  
 Converting Equipment Intl.  
 Corona Supplies Ltd  
 CSAT  
 Currie Group  
 D.P.R. Labeling, LLC  
 D.P.R. S.r.l.  
**Daco Solutions Ltd**  
 DALIM SOFTWARE GmbH  
 Delta ModTech  
 DG Press  
 Dilli  
 Distribuidora Gráfica Novaro, SA de CV.  
 Dorey Converting Systems  
 EMT International  
 Episcan  
 FFEI  
 FlexoExport Ltd  
 FLEXOR (EMIS) Ltd

**Focus Label Machinery Ltd**  
 FRANCIS BUEHLER AG  
 Fujifilm North America Corporation  
 GIC (GRAPHIC INTERFACE CONCEPT)  
 Golden Hontec Laser (Donnguan Hontec Machinery)  
 Gonderflex International Inc  
 Graficon Maschinenbau AG  
 Grafisk Maskinfabrik  
 Grafotronic AB  
 Heraeus Noblelight LLC  
 Herzog + Heymann  
 HP Indigo  
 Hybrid Software  
 Impression Technology Europe  
 International Financial Services  
 J&J Converting Machinery  
 Karlville Development LLC  
 Konica Minolta Business  
 Solutiona U.S.A. Inc.  
 Kumar Labels  
 Label Industry Consultants (& Machinery) Ltd  
 Labeltech  
 LasX Industries, Inc.  
 Lemorau  
 LeoMat GmbH  
 LPP Ltd  
**LTHD**  
 Maxcess International  
 MBO America  
 Mida Maquinaria  
 Monotech Systems Ltd  
**MPS Systems B.V.**  
 Neryos SAS  
**Newfoil Machines Limited**  
 OKI Europe Ltd  
 ORTHOTEC, WAN AN PRECISE MACHINERY WORKS CO., LTD.  
 Perez Trading Company  
 PGI TECHNOLOGIES PVT. LTD  
 Preto, Inc.  
 Printum GmbH  
 ProFlexo International  
 Rapid Label Systems  
 Rapid Machinery Company  
 Reel To Reel International Ltd  
 Rietstack  
 Rollem USA  
 Rosas GmbH  
 ROTOCONTROL  
 Rotoflex  
 SEI Laser  
 Sigrist Engineering AG  
 SMAG (SRAMAG SAS)  
 Sohn Mfg  
 Spartanics  
 Sunbelt Sales & Marketing Associates, Inc.  
 Tec Lighting, Inc.  
 Telstar Engineering Inc.  
 Test Supplier | Enhanced  
 Trojan Color Systems  
 UV Ray S.r.l  
**VALLOY/ANYTRON**  
 VAN DEN BERGH Consulting bvba  
 VAN ZALINGE Benelux B.V.



www.www.htd.ie



www.icapsira.com



www.industrialij.com



www.inkjetsolutions.co.uk



Werosys ApS  
**Xeikon**

### Digital presses

A&M Kinzel Siebdruckmaschinen  
AAA Press International, Inc.  
adphos Digital Printing GmbH  
Afinia  
All Printing Resources  
Allen Datagraph Systems, Inc.  
ALS Engineering GmbH  
Amica Systems (Europe) B.V.  
**Anderson & Vreeland, Inc.**  
AstroNova ProductIdentification  
QuickLabel  
Atlantic Zeiser  
Atlantic Zeiser Inc.  
BE-MA Editrice Srl  
Bitek Technology Inc. (anytron)  
Bluhm

Brady  
BTS Industries (S) Pte Ltd  
BUSKRO USA Ltd  
Canon Finetech Inc.  
Carl Ostermann Erben GmbH  
(COE)  
Cerm Business Management  
Software  
Chromos AG  
Color-Logic Inc  
Colordyne Technologies, LLC  
COMPONEX INC  
Continental Datalabel  
Convertec Graphic Technics AB  
CSAT  
Currie Group  
D.P.R.

### Daco Solutions Ltd

**Dantex**  
Data Label  
Datum Colour Print (Hatfield) Ltd  
DG Press  
Digital Print  
DILLI  
Dimuken (GB) Ltd  
Discount Labels  
Distribuidora Gráfica Novaro, SA  
de CV.  
DJM variable data printing  
DOMINO  
Domino Printing Sciences  
DPL Industri A/S  
DPS Innovations LLC  
Dropjet Makina Kimya San. Ltd.  
Sti.  
DuraFast Label Company  
Durafos Inc

### Durst

Edale Ltd  
EFI  
Electro Optic Werkzeugtechnik  
GmbH  
Epson  
Excelerate® by Lumen Dynamics  
Fellinger Industrie Elektronik  
GmbH  
Ferrostaal AG  
FFEI

Flexo Label Advantage Group LLC  
(FLAG)  
FlexoExport Ltd  
**Focus Label Machinery Ltd**  
Fuji Copian (UK) Ltd  
Fujifilm North America  
Corporation  
Division  
Fusion UV Systems Inc.  
Futec Europe GmbH  
**Gallus Ferd. Rüesch AG**  
GB Flexo Equipment  
GCC Europe BV  
GIC (GRAPHIC INTERFACE  
CONCEPT)  
Golden Hontec Laser (Donnguan  
Hontec Machinery)  
Graficon Maschinenbau AG  
**Graphi Mecc srl**  
Graphic Marking Systems  
Graphic Sciences Inc.  
Graphtec Corporation  
Greenstik  
GTI Graphic Technology, Inc.  
Gulf Commercial Group  
Hapa AG  
HC Miller Press  
Heidelberger Druckmaschinen AG  
Hewlett Packard  
HLT bv  
Hoya Candeo Optronics Corp.  
HP Indigo  
Impika  
Impress BV  
Impression Technology Americas  
dba Rapid Label Systems  
Impression Technology Europe  
ImTech Inc.  
Industrial Inkjet  
Inglese S.r.l  
**Inkjet Solutions Limited**  
Intec Printing Solutions  
International Financial Services  
INX International Ink Co.  
IPT Digital  
iSys Label  
ITL Group  
Iwatsu Electric Co Ltd  
J. F. Machines Ltd.  
JH Davenport and Sons Ltd.  
Kammann Machines Inc.  
KBA Latina  
Kodak  
Konica Minolta  
KPG  
Label Industry Consultants (&  
Machinery) Ltd  
Label Pack  
Leadman Technology (Astro-  
Med-QLS System, Asia)  
LINTEC Corporation  
Lucky Huaguang Graphics Co Ltd  
M Print LLC  
m print morlock gmbh co. kg  
MainStream LLC  
Mark Andy  
Markem-Imaje CSAT GmbH  
Matan Digital Printers  
MCS, Inc.  
Memjet Labels

Mercian Labels Ltd  
MGI  
**Michelman**  
Mimaki  
Miyakoshi Printing Machinery.,  
Co. Ltd.  
Modi Paper & Label Systems  
Monotech Systems Ltd  
**MPS Systems B.V.**  
Mutoh Belgium n.v.  
Nadco Tapes & Labels, Inc  
Neryos SAS  
New Solution S.A.  
**Newfoil Machines Limited**  
Nilpeter  
NuCoat Inc  
OKI  
Omet Srl  
One Solution SA  
Paul Leibinger GmbH & Co. KG  
PCM Image-Tek  
Pillar Technologies - An ITW  
Company  
Primera  
Printing Technology Services, Inc.  
Printum GmbH  
Propylplast  
Punch Graphix  
QuickLabel Systems  
Rapid Label Systems  
Rapid Machinery Company  
Rena, a Neopost Brand  
Repacorp, Inc.  
Rochester Institute of Technology  
Roland  
Rti Digital  
S&K LABEL spol. s r.o.  
Sanjo Machine Works Ltd  
Screen Europe  
Screen USA  
Sensient Imaging Technologies SA  
Shandong Taibao Anti-  
Counterfeiting Technology  
Products Co., Ltd  
SHIKI MACHINE SUPPLY CORP.  
Spandex Group  
SPGPrints  
Stork Prints America, Inc.  
Styers Equipment Company  
Summa  
Sun Chemical  
Suntech & Ko LLC  
Super Web Digital  
Suron A.C.A. Ltd.  
TCS Technologies  
Tec Lighting, Inc.  
TEC-IT Datenverarbeitung GmbH  
Test Supplier | Enhanced  
Tollgate Labels  
Toshiba Tec Corporation  
Trojan Color Systems  
**Trojanlabel**  
UniNet  
Universal Print Partners  
UTECO NORTH AMERICA INC.  
VAN ZALINGE Benelux B.V.  
**VIP Color**  
Weber  
Weifang Donghang Graphic  
Technology Inc.

Werosys ApS  
Xaar Americas  
Xaar PLC  
Xante Corporation  
**Xeikon**  
YINHUA Printing Technology  
Co.,Ltd

### Doctor blades

Agfa Graphics  
Allison Systems Corporation  
Conversource Inc.  
CT Graphic Arts  
Flexo Concepts  
FLXON  
HC Miller Press  
JV Imaging Solutions, Inc  
PrimeBlade Sweden AB  
Provident  
Quality Discount Press Parts &  
Equipment  
Retroflex Inc.

### Dome labeling-doming machines

A&M Kinzel Siebdruckmaschinen  
Chemque, Inc.  
Color-Dec  
Cytec Industries Inc.  
Demak  
Development Associates Inc.  
DomeLabels  
Dometag  
Euro Drop S.A.S.  
Hydome Inc  
Morgan Design Group  
RDS/Acuflow Inc  
Sheepscot Machine Works  
Sonachim

### Drive and control systems

A&M Kinzel Siebdruckmaschinen  
Altec Vision Equipment  
Baumüller Benelux BV  
Bosch Rexroth  
**BST**  
CC1, INC  
Cleveland Motion Controls  
CMC Controls  
Comptrol, Inc.  
Davis-Standard, LLC  
DieQua Corp.  
Dover Flexo Electronics, Inc.  
eltromat GmbH  
FMS USA, Inc.  
Focus Label Machinery  
Lake Image Systems, Inc.  
Mach III Clutch Inc  
MAGPOWR  
Mainplate Controls  
MEROBEL  
Parkland International  
Pillar Technologies - An ITW  
Company  
Polytype America Corp  
Process Sensors (Europe) Limited  
Q.I. Press Controls

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International Ltd

Longford International Ltd

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LTHD Corporation

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Melzer Maschinenbau

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QIPC-EAE Americas  
**Re S.p.a. Controlli Industriali**  
 S-two GmbH  
 Selectra Srl  
 SensoTec GmbH  
 SRC Systems Limited  
 Tandler Zahnrad und  
 Getriebefabrik GmbH & Co. KG  
 Test Supplier | Enhanced  
 Valmet

### Engraving machinery

**Anderson Europe GmbH**  
 D.P.R.  
 Epilog Laser  
 Flexoclean Engineering  
 GCC Europe BV  
 Hans-Gronhi Graphic Technology  
 Company Limited  
 Hell Gravure Systems GmbH &  
 Co. KG  
 Inglese S.r.l  
 LANG GmbH & Co. KG  
 SPGPrints  
 Stork Prints America, Inc.  
 Trotec  
 Universal Engraving, Inc.- UEI  
 Group Company  
 Universal Laser Systems, Inc.

### Fabric label materials

AstroNova ProductIdentification  
 QuickLabel  
 Avery Dennison  
 B-Core Incorporation  
 Best Label Enterprise Co Ltd  
 Budaval AG  
 Colour Ribbons Ltd  
**Comercial Arquè, S.A.**  
 Dunmore  
 DuPont México, S.A. de C.V.  
 Dynic  
 Emax Label Solutions  
 Etiquetas Adesivas Ltd  
 FFEI  
 Folien Fischer AG  
 Hollingsworth & Vose Company  
 HuZhou Hengxin Trademark  
 Making Bringing Co Ltd  
 Huzhou Kingdom Coating Industry  
 Co.,Ltd.  
 Huzhou Siny Label material Co.,  
 Ltd  
**Icap-Sira Chemicals And  
 Polymers Spa**  
 Italstick Self Adhesive Materials &  
 Coatings  
 ITD S.r.l  
 ITL Group  
 Itochu Deutschland GmbH  
 ITW Foils BV  
 Kasha Ribbon  
 Leviteks Ltd. Sti.  
 Manuli Film Spa  
 Metagalaxy Industries Co., Ltd.  
 Mimaki Europe BV  
 MSM  
 MultiSTiQ International Coating

B.V.  
 NAM SING RIBBON (H.K.) LTD.  
 Nastrificio di Cassano SpA  
 Nukote International, Inc.  
 Paper Resources, Inc.  
 Paxar/Avery Dennison  
 Premier Coating & Converters  
**Ritrama**  
 Roll Cover Italiana S.r.L  
 Rolling Optics  
 Rotolificio Pugliese Srl  
 Rotulo Ltd  
 Ruian Jingda Printing Machinery  
 Co Ltd  
 Sanyo Corporation of America  
 SATO  
 Shanghai Realtac Trading  
 Company Ltd  
 Shuanglin Texlabel Production Ltd  
 Thermo Code System  
 Thiollier  
 Transfer Trade s.r.l.  
 TTR Euroworks BV  
 VanDerEng BV  
 Worthen Coated Fabrics

### Fabric label presses

A&M Kinzel Siebdruckmaschinen  
 Carlisle Bros  
 Esterlam International Ltd  
**Focus Label Machinery Ltd**  
 Grafische Systeme Volker  
 Schischke  
 GRAPHIMAT -  
 LABELPACKMACHINE  
 Huzhou Unifull Label Fabric Co.,  
 Ltd  
 Jakob Müller AG  
 Label Pack  
 Label Planet Pvt. Ltd.  
 MALBATE  
**MELZER maschinenbau GmbH**  
 NAM SING RIBBON (H.K.) LTD.  
 Pillar Technologies - An ITW  
 Company  
 ProFlexo International  
 Ruian Jingda Printing Machinery  
 Co Ltd  
 Shun Hing Trade Mark Fty. Ltd.  
 Topack Maquinaria S.L.

### Finishing equipment, slitters and rewinders

A&M Kinzel Siebdruckmaschinen  
 AB Graphic  
**Accraply**  
 Advance Graphics Equipment  
 Afinia  
 Afinia Label  
 Aghili Drucktechnik  
 ALS Engineering GmbH  
 Apexrototech Industries  
**Ashe Converting Equipment**  
 AzTech Converting Systems  
 B. Bunch Co  
 Bandall International  
 Bar Graphic Machinery Ltd

Beijing Zongnoc Automatic  
 Technology co.,Ltd  
 Berkeley Machinery  
 Berra s.r.l  
 bielomatik  
 Bitek Technology Inc. (anytron)  
 Blower Application Company  
 Blumer Maschinenbau AG  
 BOGRAMA AG  
 Brotech Graphics Co., Ltd  
 BW Bielomatik  
 C. A. Litzler Co., Inc.  
 Carltek Industries (Taiwan) Corp.  
 Catbridge Machinery  
 Colordyne Technologies, LLC  
 COMPONEX INC  
 Contech  
**Contiweb**  
 Controls Engineering  
 CONVERPACK Benelux B.V.  
 Converting Equipment  
 International  
 Creative Machinery &  
 Technologies Ents.  
 CTC International, Inc.  
 D&K Coating Technologies, Inc  
 D.P.R.  
**Daco Solutions Ltd**  
**Dantex**  
 Datacon Technology  
 Daven Industries  
**DCM**  
 De Rossi Vittorio S.r.l.  
 Deacro Industries Ltd.  
 Delta ModTech  
 DG Press  
 Dienes Werke für Maschinenteile  
 GmbH & Co. KG  
 Dorey Converting Systems  
 DRI-TEC UNLIMITED LLC  
 DSE  
 DuraFast Label Company  
 E.C.H. Will GmbH  
 Ehret Control GmbH  
 Electro Optic Werkzeugtechnik  
 GmbH  
 EMT International  
 Enprom  
 Esko  
 ETI Converting Equipment  
 Etalon Corporation  
 EUROMAC  
 Expert Stephan Heuser GmbH &  
 Co. KG  
 FAES AG  
 Faustel, Inc.  
 Fellingier Industrielektronik  
 GmbH  
 Flexo-Printing Equipment Corp.  
**Focus Label Machinery Ltd**  
 Fortisblades  
 G&K-Vijuk Intern. Corp.  
 GIC (GRAPHIC INTERFACE  
 CONCEPT)  
 GN Flexo  
 Golden Hontec Laser (Donnguan  
 Hontec Machinery)  
 Gonderflex International Inc  
 Graficon Maschinenbau AG

Grafische Systeme Volker  
 Schischke  
 Grafisk Maskinfabrik  
 Grafotronic AB  
 Graphtec Corporation  
 GSM Graphic Supplies &  
 Machinery Ltd  
 H.C. Miller Press  
 Han Yang Industries  
 Heidelberger Druckmaschinen AG  
 Holtby Williams International  
 Holweg-Weber  
 Hunkeler AG  
 Hyden Packaging Pvt Ltd  
 Impression Technology Europe  
 Infinity Foils, Inc- UEI Group  
 Company  
 International Surface Technologies  
 J&J Converting Machinery  
 Jakob Müller AG  
 Jurmet Sp. z.o.o. Sp.K.  
 Kampf Schneid- und  
 Wickeltechnik GmbH & Co. KG  
 Karl Menzel Maschinenfabrik  
 Karlville  
 Kompac Technologies  
 KOR Engineering Inc.  
 KTI- A Quantum Design Company  
 Kugler-Womako GmbH  
 Kumar Labels  
 Labelmate  
 Labeltech  
 Laem Systems Srl  
 Larson/Burton Inc.  
 LasX Industries, Inc.  
 Lemorau  
**Lemu Talleres SA**  
 LeoMat GmbH  
 Lombardi Converting Machinery  
 Srl  
**Longford International Ltd**  
 LPP Ltd  
 Lutz GmbH & Co. KG  
 Mainplate Controls  
 Markem-Imaje CSAT GmbH  
 Matik, Inc.  
 Maxcess International  
 MBO America  
**MELZER maschinenbau GmbH**  
 Mid American Rubber  
 Mida Maquinaria  
 Monotech Systems Ltd  
 NEPATA GmbH  
 Neryos SAS  
 New Solution S.A.  
 Nicely Machinery Development  
 Co. Ltd  
 Nikka Research Deutschland  
 GmbH  
 Nordson  
 OKI Europe Ltd  
 Omegher Srl  
 Packers  
 Pap'Argus  
 Parkland International  
 Pasquato SNC  
 Pinewood Label Systems Limited  
**Polar-Mohr**  
 Polygraphica Equipment Ltd



PRINTING PRODUCTIVITY

www.mps4u.com.



www.muehlbauer.de



www.newfoilmachines.co.uk



www.pamarco.com



Polytype America Corp  
Prati s.r.l.  
Precise Graphic India Pvt Ltd  
Preco, Inc.  
Primera Technology, Inc  
Print On Labels  
Printum GmbH  
Profama North America  
ProFlexo International  
raantec GmbH & Co. KG  
Reconcile Engineering Ltd.  
Reel To Reel International Ltd  
Rietstack  
RM (Rotary) Services Ltd  
Rollem USA  
Rosas GmbH  
Rotatek Printing Machinery, S.L  
ROTOCONTROL  
Rotoflex  
Rotoflex UK  
Ryback & Ryback Inc.  
Sam Meccanica Srl  
Scantech Automation Inc.  
Serame  
Sermar Machines Srl  
Sigrist Engineering AG  
SMAG (SRAMAG SAS)  
Soma Engineering  
Spartanics  
SRC Systems Limited  
Starfoil Technology Netherlands  
bv  
Styers Equipment Company  
Sysco  
Tamarack Products Inc  
Tangshan Wanjie Europe  
Tectonic International Ltd  
TGW International Inc.  
Tidland  
Tidland  
Tilt Lock  
Tools & Production Inc.  
Totani America  
Trojan Color Systems  
**Trojanlabel**  
UniNet  
Universal Print Partners  
UV Graphic Technologies Pvt. Ltd.  
(formerly GTI)  
VAN DEN BERGH Consulting  
bvba  
VAN ZALINGE Benelux B.V.  
VINSAK  
W&D Machinery Co., Inc.  
Wasberger Label Equipment  
Web Techniques, Inc.  
Webex  
WEIGANG Machinery  
Weldon Celloplast Limited  
Werosys ApS  
WyndRyte Rewind Tables  
**Xeikon**  
Xiamen Delish Automation  
Equipment Co., Ltd  
Zhongshan Shuguan Self-  
Adhesive Products Co., Ltd

### Flexo presses

AAA Press International, Inc.  
Activa Label Industries Ltd  
Advanced Machinery NV  
Allied Gear & Machine (A G  
Manufacturing, Inc.)  
Alltrade Recycling Equipment  
Alpha-Cure Ltd  
American Water Graphics, Inc.  
**Anderson & Vreeland, Inc.**  
Anilox Laser Technology LTD - ALT  
Aquaflex  
Autoprint Machinery Mfrs.Pvt. Ltd  
AzTech Converting Systems  
Bar Graphic Machinery Ltd  
Belfar Ltd  
**Bobst**  
Brenna Srl  
Carl Ostermann Erben GmbH  
(COE)  
Carlisle Bros  
Catchpoint Ltd  
Champion Creaton Industries  
Co Ltd.  
Chromos AG  
Color-Logic Inc - European Office  
Comco  
CONVERPACK Benelux B.V.  
Convertech Equipment Pvt Ltd  
Cooper Printing Machinery Ltd  
**DCM USIMECA**  
De Rossi Vittoriano S.r.l.  
DIP Co.  
Discount Labels  
Dowell Printing Equipment Co Ltd  
DPL Industri A/S  
DRI-TEC UNLIMITED LLC  
DSE  
Edale Ltd  
Edwards Label  
Episcan  
ERREPI S.r.l.  
Esterlam International Ltd  
ETI Converting Equipment  
Etirama  
Eurograv Limited  
Fischer & Krecke GmbH (Bobst  
Group)  
FlexAir  
Flexo-Printing Equipment Corp.  
FlexoArt Graphic Systems  
Flexoclean Engineering  
FlexoExport Ltd  
FLXON  
**Focus Label Machinery Ltd**  
Formyflex  
Fox Valley Technical College  
Fuji Shoko Co. Ltd.  
Futec Europe GmbH  
Future Pack / KOREA  
Gallus  
GB Flexo Equipment  
GIC (GRAPHIC INTERFACE  
CONCEPT)  
Globe-Tek Corporation  
GN Flexo  
Gonderflex International Inc,  
Goss International  
Graficon Maschinenbau AG

Grafische Systeme Volker  
Schischke  
Grafitec Web Ltd  
GRAPHIMAT -  
LABELPACKMACHINE  
GraphixOne Corp.  
GSM Graphic Supplies &  
Machinery Ltd  
H.C. Miller Press  
Hamillroad Software Ltd  
Hapa AG  
HC Miller Press  
Heat Technologies Inc.  
Heidelberg  
Holweg-Weber  
Hontec Machineries  
Hoya Candeo Optronics Corp.  
**Industrial Inkjet Ltd**  
INOMETA GmbH  
Interface Srl  
International Surface  
Technologies  
Iwasaki International Inc.  
J & H Printing Solutions  
J&J Converting Machinery  
JH Davenport and Sons Ltd.  
K2 International  
KBA Latina  
KBA-MePrint AG  
Komori-Chambon  
KPG  
Kris Flexipacks Pvt Ltd  
Kyoto International Corporation  
Label Industry Consultants (&  
Machinery) Ltd  
Label Pack  
Labelform Graphics Ltd  
Larson/Burton Inc.  
**Lemu Talleres SA**  
Lombardi Converting Machinery  
Srl  
LPP Ltd  
LS-Int.com Ltd  
Lucky Huaguang Graphics Co Ltd  
MALBATE  
MAM - Machines & More  
Mark Andy  
Matik, Inc.  
MCS, Inc.  
Memjet Labels  
MGE OCC  
Mid American Rubber  
Mona Equipments  
MPS  
Multitec Aids Pvt Ltd  
Nilpeter A/S  
Nim-Cor  
Nuova GIDUE S.r.l.  
Omet Srl  
OnLine Energy UV Systems  
Pacom Europe  
PCMC - Paper Converting  
Machine Company  
PIASC  
Pillar Technologies - An ITW  
Company  
Polygraphica Equipment Ltd  
Polymount Int Bv  
Printco Industries, LLC

Printech Machinery Trading  
Canada  
ProFlexo International  
Propheteer International, LLC  
Propyplast  
R.C. Lamps S.n.c. / VTI  
RayPress Corporation  
Reel To Reel International Ltd  
Repacorp, Inc.  
Retroflex Inc.  
Rochester Institute of Technology  
Rotary Die Company Sp. z o.o.  
Rotary Systems Ltd.  
Rotatek Printing Machinery, S.L  
Ruttiman Trade AG  
Sam Meccanica Srl  
Shandong Taibao Anti-  
Counterfeiting Technology  
Products Co., Ltd  
Shanghai Purlux Machinery Co.  
Ltd.  
Shanghai Realtac Trading  
Company Ltd  
Shun Hing Trade Mark Fty. Ltd.  
Sohn Mfg  
Soma Engineering  
ST Converting S.r.l.  
Styers Equipment Company  
Super Web Digital  
TAIYO KIKAI CO.,LTD.  
Tangshan Wanjie Europe  
Tech Sleeves  
Tectonic International Ltd  
Telstar Engineering Inc.  
TETAS IC VE DIS TICARET A.S.  
Timsons Ltd  
TKM Meyer GmbH  
Tower Products Inc.  
Tresu A/S  
TRESU Group  
Troika Systems Ltd  
Tungsman and Company Inc  
Universal Print Partners  
Uteco Converting  
UTECO NORTH AMERICA INC.  
UV Graphic Technologies Pvt. Ltd.  
(formerly GTI)  
VAN ZALINGE Benelux B.V.  
VINSAK  
Weifang Donghang Graphic  
Technology Inc.  
Weifang DongHang Precision  
Machine Co., Ltd.  
WEIGANG Machinery  
Weldon Celloplast Limited  
Zhejiang Hexiang Printing  
Machinery Co Ltd  
ZHEJIANG ZHONGTE  
MACHINERY  
Zhongshan Shuguan Self-  
Adhesive Products Co., Ltd  
Zhongtian Machinery Works  
Co.Ltd

### Gravure presses

ABBA Roller  
Brenna Srl  
CAMIS SRL



www.polar-mohr.com.



www.re-spa.com



www.ritrama.com



www.rkprint.com

Chesnut Engineering  
Comco  
CONVERPACK Benelux B.V.  
Convertech Equipment Pvt Ltd  
Dai Nippon Printing Co., Ltd.  
**DCM USIMECA**

DNP Singapore Pte. Ltd.  
Dowell Printing Equipment Co Ltd  
ETI Converting Equipment  
Eurograv Limited  
FlexAir  
FLXON  
FRESCHI ITALIA S.R.L.  
Fuji Shoko Co. Ltd.  
Futec Europe GmbH  
GSM Graphic Supplies & Machinery Ltd  
Hoya Candeo Optronics Corp.  
INOMETA GmbH  
International Financial Services  
Komori-Chambon  
Kris Flexipacks Pvt Ltd  
Mona Equipments  
Nilpeter A/S  
Nim-Cor  
Novaflex Inc / DCM Group  
Officine Meccaniche G. Cerutti S.p.A.  
Polygraphica Equipment Ltd  
Printco Industries, LLC  
ProFlexo International  
Retroflex Inc.  
Rotomec - Bobst Group Italia S.p.A. (Bobst Group)  
TKM Meyer GmbH  
Troika Systems Ltd  
Universal Print Partners  
Uteco Converting  
UTECO NORTH AMERICA INC.  
UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
Webtech Inc

#### Hand-held labeling systems

Activa Label Industries Ltd  
Avery Dennison  
Axicon Auto ID  
Ben Clements and Sons, Inc./Tach-It  
Bluhm Danmark  
Computype  
D.P.R. Labeling, LLC  
Datum Colour Print (Hatfield) Ltd  
Epson Europe  
Gencler Kirtasiye Tic. San Ltd Sti  
General Labels & Labeling (M) Sdn Bhd  
Open Data Srl  
Paxar  
Pinewood Label Systems Limited  
Print On Labels  
Printex Srl  
PRIX International Avery  
Dennison Fastener Ameri  
Romprix Exim Srl  
SATO  
START International  
Ste. PRIX AFRIQUE

Systems Print Media Ltd  
Take-a-Label, Inc.  
Typerite  
Weber  
Wenzhou OuHua Stationery Co Ltd

#### Hologram equipment

API Foils  
Aradiant  
Breit Technologies LLC  
**DCM**  
DIAVY SRL  
Dimuken (GB) Ltd  
DMS, INC.  
DPL Industri A/S  
FAES AG  
GIETZ AG  
Hira Hologram - The Hologram Company  
Hologram Manufacturers Association of India (HoMAI)  
Holosecurity Technologies  
ITW Foils  
Matik, Inc.  
Mühlbauer, Inc.  
**Newfoil Machines Limited**  
Pantec GS Systems AG,  
PCT Engineered Systems LLC  
PGI TECHNOLOGIES PVT. LTD  
Product & Image Security Foundation  
Sam Meccanica Srl  
Schobertechnologies GmbH  
Tecscan Print Inspection Systems  
UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
VAN DEN BERGH Consulting bvba  
Western Photonics Technology  
Zhejiang Zhongjia Technology Co Ltd

#### Holograms-OVDs (optically variable devices)

Alpha Lasertek India Ltd  
Avery Dennison - Label and Packaging Materials Europe  
Brand Security Systems GmbH  
Breit Technologies LLC  
CFC International, Inc.  
Complete Inspection Systems Inc.  
Crown Roll Leaf, Inc.  
De La Rue  
DIAVY SRL  
DMS, INC.  
EMD Chemicals, Inc.  
Episcan  
FLEXcon Company, Inc.  
Holo-Source Corporation  
Hologram Manufacturers Association of India (HoMAI)  
Hologramas de Mexico  
Holosecurity Technologies  
Holostik India Ltd  
Holowebs, LLC  
Hutchison Miller Sales Co  
InkSure Technologies Inc.

ITW Foils  
Jinda Company Limited  
Jordan Products Inc.  
K Laser Technology (USA) Co., Ltd.  
K Laser Technology Inc.  
Kurz Transfer Products LP  
KURZ, LEONHARD, Stiftung & Co. KG  
L C Trade  
Leonardus S.r.l - Italy  
NANOGRAPHIX CORPORATION  
november AG  
Optaglio Limited  
Pack Vision BV  
Product & Image Security Foundation  
Proma Technologies  
Prooftag  
Rolling Optics  
Sekuworx, LLC  
Shanghai Fudan-Techsun New Technology Co., Ltd.  
Shantou Yiming Holotech Machine Co Ltd  
SURYS, the new name for Hologram. Industries  
**Tesa Tape, inc.**  
Toray Plastics (America), Inc  
Western Photonics Technology  
Zhejiang Zhongjia Technology Co Ltd

#### Hot air and IR drying systems

A&M Kinzel Siebdruckmaschinen  
AAA Press International, Inc.  
adphos Digital Printing GmbH  
Ahlbrandt System GmbH  
Al's Co UV, Inc  
Alpha-Cure Ltd  
AMS SPECTRAL UV - A Baldwin Technology Company  
Aradiant  
Araytech  
Brenna Srl  
Brewer UV Systems  
Coatema Coating Machinery GmbH  
Davis-Standard, LLC  
DR. FISCHER Group  
Eltosch Grafix GmbH  
EMERY WILLED SLU  
EMWI Group  
Faustel, Inc.  
FlexAir  
G Technologies Srl  
GEW (EC) Ltd  
GEW, Incorporated  
Grafix Equipos Para Artes Graficas S.L.  
Graphbury Smart Solutions, LLC  
Hamamatsu Photonics  
Heat Technologies Inc.  
Heraeus Noblelight  
Highlight UV-Technology GmbH & Co. KG  
Honle UV  
Hoya Candeo Optronics Corp.  
IST

Jet Europe BV  
KAMMANN Maschinenbau GmbH  
KETT US  
Kompac Technologies  
KROENERT  
Label Industry Consultants (& Machinery) Ltd  
Lamp Tech  
Noritsu America Corporation  
Paul Leibinger GmbH & Co. KG  
PCMC - Paper Converting Machine Company  
PCT Engineered Systems LLC  
Phidastien  
Phidastien International  
Phoseon Technology  
Prime UV Systems, Inc.  
PrintConcept UV-Systeme GmbH  
Printing Technology Services, Inc.  
Process Sensors (Europe) Limited  
Quartz Link Ltd  
R.C. Lamps S.n.c. / VTI  
Rycobel NV  
Southern Lamps Inc  
TCS Technologies  
Test Supplier | Enhanced  
Toc Maquinas Industriales SA  
De CV  
Tresu A/S  
TRESU Group  
UV Ray S.r.l  
uv-technik meyer gmbh  
Uviterno AG  
XDS Holdings, Inc.  
XericWeb Drying Systems

#### Hot foil machinery

A&M Kinzel Siebdruckmaschinen  
AB Graphic International Ltd  
API Foils  
Atwell Self-Adhesive Labellers  
Berra s.r.l  
Bunting Magnetics Co.  
Cartes S.r.l.  
DG Press  
DIAVY SRL  
Dison Tec LLC  
DMR Elettromeccanica S.r.l  
DMS, INC.  
DSE  
Emmendinger Maschinenbau GmbH  
Etillabgrawo GmbH  
Etirama European Demonstration Centre  
FlexoExport Ltd  
Franchini & C. S.r.l  
GIETZ AG  
Global Graphic Equipment Ltd  
Grafische Systeme Volker  
Schischke  
Grafisk Maskinfabrik  
Grafitec Web Ltd  
GSM Graphic Supplies & Machinery Ltd  
Infinity Foils, Inc- UEI Group Company  
Innovative Equipment



[www.cbn-tec.com](http://www.cbn-tec.com)



[www.r2r.tech/](http://www.r2r.tech/)



[www.salespa.com](http://www.salespa.com)



[www.sihl.com/en/](http://www.sihl.com/en/)



ITW  
Iwasaki International Inc.  
KBA Latina  
KURZ, LEONHARD, Stiftung & Co. KG  
Kwang Dah Enterprises Co Ltd  
Label Industry Consultants (& Machinery) Ltd  
Link Label Machinery Co Ltd  
Lombardi Converting Machinery Srl  
LPP Ltd  
LS-Int.com Ltd  
Matik, Inc.  
MGE OCC  
MGI  
Mida Maquinaria  
Mühlbauer, Inc.  
**Newfoil Machines Limited**  
OCC Label Printing Machines  
ORTHOTEC, WAN AN PRECISE MACHINERY WORKS CO., LTD.  
Pantec GS Systems AG  
Pasquini & Kromer GmbH  
PGI TECHNOLOGIES PVT. LTD  
PRACMATIC Maschinenbau Ltd  
Prisma Srl  
ProFlexo International  
Rapid Machinery Company  
Reel To Reel International Ltd  
Sam Meccanica Srl  
SANJO Semi-rotary Presses  
Schobert Technologies GmbH  
Starfoil Technology Netherlands bv  
STOMA GmbH  
Telstar Engineering Inc.  
Thomson National Press Co  
UEI Falcontec  
UltraSource LLC  
Universal Engraving, Inc.- UEI Group Company  
UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
VAN DEN BERGH Consulting bvba  
Webtech Inc  
Weldon Celloplast Limited  
Werosys ApS  
ZHEJIANG ZHONGTE MACHINERY

### Hot stamping foils

3D AG  
Active Holograms  
Alpha Lasertek India Ltd  
API Foils  
Apple Die  
**ARMOR**  
ast Dragon International Holdings Limited  
CFC International, Inc.  
Crown Roll Leaf, Inc.  
Dalian Fujisan Office Equipment  
DIAVY SRL  
Diehard Dies Pvt Ltd  
Dison Tec LLC  
Dragon Foils Limited  
Drohmann GmbH Easycut

Etiquetas Brasil Ltda  
FAES AG  
Far East Yu La Industry Limited  
Filmquest  
FUJIAN TAIXING SPECIAL PAPER CO, LTD  
GTechnology LTD  
Hangzhou Todaytec Digital Co., Ltd.  
Holosecurity Technologies  
Holostik India Ltd  
IGF Europe NV (International Graphic Films)  
Infinity Foils, Inc- UEI Group Company  
ITW Foils  
Jiaozuo Zhuorim Digital Material Co Ltd  
Jiaxing Heasn Import & Export Co., Ltd.  
K Laser Technology Inc.  
Kasha Ribbon  
Kurz Transfer Products LP  
KURZ, LEONHARD, Stiftung & Co. KG  
L C Trade  
Lemmaco Kft  
LEONHARD KURZ FAR EAST LTD.  
Leviteks Ltd. Sti.  
Magnum Materials Limited  
Mastercorp Group  
MGI  
Nakai International Corp.  
Newell Business Services Co., Ltd  
Pack Vision BV  
Pelikan Hardcopy Scotland Ltd  
Ribbon Ltda  
Sanyo Corporation of America  
SECUTAC  
Shandong Taibao Anti-Counterfeiting Technology Products Co., Ltd  
Signet Marking Devices  
STAMP FOIL SPA  
Sunli Industry Limited  
Thermal Transfer Solutions Ltd  
Thermo Code System  
TTR Euroworks BV  
Typerite  
UEI Falcontec  
UltraSource LLC  
Univac  
Vacmet Packagings (India) Pvt Ltd  
Webtech Inc  
Western Decorating Technology  
Xiamen Delish Automation Equipment Co., Ltd  
Xinxiang Fineray Technology Ltd  
Zhejiang Hengfeng Packing Co Ltd  
Zhejiang Zhongjia Technology Co Ltd

### Hot stamping-embossing cylinders

A&M Kinzel Siebdruckmaschinen  
ABBA Roller  
Advanced Prepress Graphics Inc  
Apple Die

Applied Laser Engineering Ltd.  
Brady  
Bunting Magnetics Co.  
DIAVY SRL  
Dixie Graphics  
DMS, INC.  
Eastern Engraving  
Etilabgrawo GmbH  
Felix Boettcher GmbH Co  
Form-und Stanztechnik GmbH  
Fulflex Flexographic Systems  
General Metal Engraving  
Hannecard NV  
**Holfeld Tool & Die Ltd**  
ITW  
Kocher + Beck  
KURZ  
LARTEC - Flexible Dies  
LPP Ltd  
Luminite Products Corp.  
Pantec GS Systems AG  
Pasquini & Kromer GmbH  
Platemasters  
Precise Graphic India Pvt Ltd  
ProFlexo International  
Rotary Technology (Guangzhou) Co Ltd  
RotoMetrics  
RotoTechnix  
Signet Marking Devices  
Simec Group S.r.l.  
**Spilker GmbH**  
Starfoil Technology Netherlands bv  
Sunli Industry Limited  
TD Wright Inc  
TECHNI FORM  
Techniform  
UEI Falcontec  
Universal Engraving, Inc.- UEI Group Company  
UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
**Wink Stanzwerkzeuge GmbH & Co. KG**

### In-mold label materials

Advanced Packaging Films GmbH  
Allen Plastic Industries Co Ltd  
AM-PG Group  
Arjobex/Polyart  
Avery Dennison - Label and Packaging Materials Europe  
CEZAR Ltd.  
Collano Adhesives AG  
Controls Engineering  
COSMO FILMS LIMITED  
Dyna-Tech Adhesives, Inc.  
Electro Optic Werkzeugtechnik GmbH  
ExxonMobil Chemical Films Asia Pacific  
Filmquest  
Flexpol Sp. z o.o  
FUJIAN TAIXING SPECIAL PAPER CO, LTD  
Granwell Products / Polyolith  
H.S. Industries Co., Ltd  
Holo-Source Corporation

Hop Industries Corp.  
IIC AG  
Innovia Films  
Intoplast Group Ltd - AmTopp Division  
Jindal Films  
KK Label Co., Ltd.  
KWH Plast Ltd  
Leonardus S.r.l - Italy  
Manuli Film Spa  
MAX SPECIALITY FILMS LIMITED (A Subsidiary of Max Ventures & Industries Limited)  
**Michelman**  
Minus Nine Technologies  
Multi-Plastics, Inc.  
Pasquato SNC  
Plastic Suppliers Incorporated  
POLIBAK PLASTIK FILM SANAYI  
VE TICARET A.S.  
Polinas Plastic  
Propyplast  
ROCHEUX INTERNATIONAL  
Serlem  
Shanghai Realtac Trading Company Ltd  
Sidaplast  
Sodinor  
Squid Inks AG (Ltd.)  
StarTrack Europe v.o.f.  
Super Film Packaging Films  
Synthogra  
**Taghleef**  
Taizhou Newtech Film Co Ltd  
Tamerica Products, Inc.  
TerraSkin®  
TESLIN Substrate by PPG Industries  
Toray Plastics (America), Inc  
Toyo Ink Arets NV  
Treofan  
Valéron  
Yupo

### Industry service suppliers

4Impression  
A&M Kinzel Siebdruckmaschinen  
Air and Water Systems, Inc.  
Alltrade Recycling Equipment  
Andantex USA Inc  
Autopack Pte Ltd  
Avery Dennison - Label and Packaging Materials Europe  
B-Core Incorporation  
Berkeley Machinery  
CMYK UAE  
Color Management Group (CMG)  
Dakota Integrated Services  
Datum Colour Print (Hatfield) Ltd  
Dima  
Drilling Tech Services/POPPS  
DSE  
Eaglewood Technologies/Sani-Blast  
Electro Optic Werkzeugtechnik GmbH  
EMERY WILLED SLU  
EMWI Group  
ENFASIS MAGAZINES



www.sinkotech.com



www.spilker.com



www.spinps.com



www.ti-films.com

ERP ABBATE UK LIMITED  
Etisoft  
Flexographic Technical Association (FTA)/FLEXO Magazine  
Fuji Shoko Co. Ltd.  
Fujifilm North America Corporation  
Glunz & Jensen  
Graphic Innovators Inc/  
Lighthouse Consulting & Restoration Services  
HEIGHTS (UK) Limited  
Heights USA Inc.  
HIP-Mitsu s.r.l.  
Hönle AG, UV Technology  
Hybrid Software  
I.D. Images  
J&J Converting Machinery  
Jada Management Systems, LLC (JMS)  
Kammann Machines Inc.  
Kolon USA Inc  
**LTHD**  
M Print LLC  
Mainplate Controls  
marks-3zet GmbH & Co. KG  
Nordson (UK) Ltd  
Nordson Engineering GmbH  
NPPS - Flexo for Hire  
Oxford Instruments  
PAS Media  
Poland's Sistrade Angulusridet  
S.A. Partners  
PowerForward Inc.  
Praxair Surface Technologies  
Precision AirConvey Corp  
Printing Technology Services, Inc.  
ProFlexo International  
RK Siebdrucktechnik GmbH  
RSI ID Technologies  
Runwing Co. Ltd  
S-two GmbH  
S.S.I, Inc  
Shanghai Fudan-Techsun New Technology Co., Ltd.  
SISTRADÉ – Software Consulting, S.A. (Spain)  
SoftSolutions, Inc.  
Southern Lamps Inc  
Sun Chemical  
TEC-IT Datenverarbeitung GmbH  
**tesa**  
Trace.IT - gestão e consultoria, s.a.  
Trelleborg Sealing Solutions GmbH  
Tri-Tronics Company, Inc.  
Wikoff Color Corporation

#### Ink control-dispensing systems

ACTEGA North America  
AP Systems AG  
Coates Screen  
ColorMatic AS  
Convertech Equipment Pvt Ltd  
Dai Nippon Printing Co., Ltd.  
Datex UK  
DELTAPAK B.V.

DNP Singapore Pte. Ltd.  
Esko  
Fag Graphic Systems SA  
FlexoArt Graphic Systems  
Flint Group  
Fluid Ink Technology, Inc.  
Fluid Management  
Fujifilm  
FULL Systembau GmbH  
Graphbury Smart Solutions, LLC  
Graphics Microsystems Inc  
Graymills Corporation  
GretagMacbeth AG  
GSE Dispensing  
Halm Industries International Co Inc  
Harris & Bruno International  
**Industrial Inkjet Ltd**  
**Inkjet Solutions Limited**  
Inkmaker  
Innolutions, Inc  
Interactive Inks & Coatings  
INX International Ink Co.  
JB Prata Ltd  
Memjet Labels  
Monarch Color Corp.  
Print Proof Solutions B.V.  
QuadTech Inc.  
**RK Print Coat Instruments Ltd**  
Rotary Systems Ltd.  
Sensient Imaging Technologies SA  
Sheepscot Machine Works  
Siegwerk  
SPEC, Inc  
Sun Chemical  
TAIYO KIKAI CO.,LTD.  
Tresu A/S  
TRESU Group  
Vale-Tech Ltd  
Van Son Liquids  
Wikoff Color Corporation  
X-Rite, Incorporated  
Zeller+Gmelin Corp.

#### Inking rollers

A&M Kinzel Siebdruckmaschinen  
A-Korn Roller, Inc.  
ABBA Roller  
Apex International  
Applied Laser Engineering Ltd.  
ARC International  
BAT Graphics  
Carltek Industries (Taiwan) Corp.  
Cheshire Anilox Technology Ltd  
Corona Supplies Ltd  
CTS Industries  
Double E Company  
Engineered Metals Corporation  
Felix Boettcher GmbH Co  
Flexo Steel Industrial Ltda.  
Fujifilm North America Corporation  
Gardall Manufacturing Corporation  
Garvey  
Harper Corporation of America  
Heidelberger Druckmaschinen AG  
Impreglon Cellramic  
Industrial Molded Rubber

Products  
Jemmco, LLC  
Jiaozuo Zhuorim Digital Material Co Ltd  
Kasha Ribbon  
Laserlife Australia  
Luminate Products Corp.  
Mid American Rubber  
Nim-Cor  
**Pamarco Global Graphics**  
PFE Rolls, Inc  
Praxair Surface Technologies  
REM Manufacturing  
Rossini  
Rotadyne  
Rotary Technology (Guangzhou) Co Ltd  
Ruttiman Trade AG  
Simec Group S.r.l.  
Svecom  
Tech-Cell Ltd  
Tidland  
Ungricht  
Wilson Manufacturing Co.  
Xinxiang Fineray Technology Ltd  
Zecher GmbH

#### Inks

A.M. Ramp & Co Hong Kong Ltd  
ACTEGA North America  
Actega Radcure, Inc.  
AEBO Science Technology Co Ltd  
Afford Inks  
Alden & Ott Printing Inks  
American Water Graphics, Inc.  
Angstrom Technologies Inc  
Arets de Mexico  
**ARMOR**  
Bella Kagit  
Blanco Labels  
Boussey Control Europe  
Braden Sutphin Ink  
Braden Sutphin Inks/Flexo Division  
Central Ink Corporation  
Chimigraf  
Chimigraf Group  
Coates Screen  
Collins Inkjet Corporation  
Collomix GmbH  
Color Resolutions International, LLC  
Color  
Colorgen  
Colorgraf SpA  
Currie Group  
Datalase Inc.  
Deco Chem Inc.  
Dilli  
Distribuidora Gráfica Novaro, SA de CV.  
Dropjet Makina Kimya San. Ltd.  
Sti.  
Dync  
Eaglewood Technologies/Sani-Blast  
Eckart America Corporation  
ECKART GmbH  
ECOSYNTHETIX

Edson International  
EFI  
EMD Chemicals, Inc.  
EMERY WILLED SLU  
Encres Dubuit  
Engelhard Corporation  
Epson America Inc.  
Ercon Inc.  
FFEI  
Finjetchemical Industries Ltd  
Flexo Label Advantage Group LLC (FLAG)  
Flexoclean Engineering  
Flint Group  
Fluid Ink Technology, Inc.  
FRANCIS BUEHLER AG  
Frimpeks A.S.  
Fujifilm  
Garvey  
GBC (Speciality Chemicals) Ltd  
GE Richards  
General Srl  
Grafix Equipos Para Artes Graficas S.L.  
Graphic Sciences Inc.  
Graphtech  
GSB-Wahl GmbH  
Gulf Commercial Group  
Hapa AG  
Heidelberger Druckmaschinen AG  
Hostmann Steinberg  
Hoya Candeo Optronics Corp.  
IdeOn LLC  
IIMAK  
ImTech Inc.  
**Industrial Inkjet Ltd**  
Innovative  
Oberflächentechnologien GmbH  
Interactive Inks & Coatings  
INX International Ink Co.  
Jänecke+Schneemann  
Druckfarben GmbH  
Kingfisher Inks Ltd  
Kolorcure Corporation  
Label Pack  
Laner UV Lacquers  
Lotar Enterprises  
Lucky Huaguang Graphics Co Ltd  
Luminescence International Ltd  
Luxul FZC  
Magnum Inks & Coatings  
Marabu GmbH & Co. KG  
marks-3zet GmbH & Co. KG  
Memjet Labels  
Mimaki  
Minus Nine Technologies  
Mirage Inks Ltd  
Monarch Color Corp.  
Natural Ink  
Nazdar Ink Technologies  
NeuraLabel Printing Solutions  
Nicoat  
Norcote.  
Noritsu America Corporation  
Paragon Inks  
Pelikan Hardcopy Scotland Ltd  
Pelmia Ink Technologies  
Pitman Company  
Premier Ink Systems Inc  
Printgraph SpA



lemugroup.com



www.tesa.com



www.wink.de/en



www.upmraflatac.com

Printing Technology Services, Inc.  
Printum UV  
Pulse Roll Label Products Ltd  
Radior (France) S.A.S  
Resino Trykfarver A/S  
RGK Video Systems  
Ribbon Ltda  
**RK Print Coat Instruments Ltd**  
Rowat Inks BV  
**RUCO**  
Sensient Imaging Technologies SA  
Sericom Italia Srl  
SICPA SA  
Siegwark  
Sijal - Sociedade de  
Representacoes e Comercio  
SIRPI SRL  
SPGPrints  
Spring Coating Systems  
Squid Inks AG (Ltd.)  
Sun Chemical  
Systems Print Media Ltd  
T&K Toka Co, Ltd  
Thermo Code System  
Toyo Ink Arets NV  
Transam Industries Pte Ltd  
UCS (UV Curable Systems bvba)  
United Speciality Inks Pvt. Ltd.  
Uvitec Printing Ink, Inc.  
Vale-Tech Ltd  
Van Son  
VINSAK  
Wikoff Color Corporation  
Zeller+Gmelin UK

#### Insertion/onsertion systems

AzTech Converting Systems  
Bielomatik Jagenberg, Inc.  
bielomatik Leuze GmbH + Co. KG  
**Comercial Arquè, S.A.**  
Controls Engineering  
Edwards Label  
Eurograv Limited  
Henkel Electronic Materials LLC  
Innovative Equipment  
ITW Dynatec  
**Longford International Ltd**  
**MELZER maschinenbau GmbH**  
Mühlbauer  
Multifeeder Technology Inc  
**Newfoil Machines Limited**  
Rapid Machinery Company  
RayPress Corporation  
Rosas GmbH  
Sinel Systems S.A.  
SMAG (SRAMAG SAS)  
Tamarack Products Inc  
Thiele Technologies  
Topack Maquinaria S.L.

#### Inspection equipment

AAA Press International, Inc.  
AB Graphic  
**Accraply**  
Adhesive Technical Services Ltd  
Advanced Machinery NV  
Aghili Drucktechnik

Applied Rigaku Technologies, Inc.  
Arpeco  
**Ashe Converting Equipment**  
Automatic Identification Systems  
UK Ltd  
AVT  
Axiom Auto ID  
Axode  
Bar Graphic Machinery Ltd  
bielomatik Leuze GmbH + Co. KG  
Boussey Control Europe  
Brady  
**BST**  
CC1, INC  
Complete Inspection Systems Inc.  
**Contiweb**  
Convertec Graphic Technics AB  
Covectra Europe Limited  
Crest Solutions  
CTC International, Inc.  
DaTARIUS Technologies GmbH  
**DCM USIMECA**  
De Rossi Vittoriano S.r.l.  
Decosystem SRL  
DG Press  
Drello GmbH & Co.  
DSE  
DVS Quality Solutions Limited  
Electromatic Equipment Co, Inc  
EMERY WILLED SLU  
EMWI Group  
Episcan  
Erhardt + Leimer GmbH  
Etalon Corporation  
EUROMAC  
Euroto Limited  
EyeC  
Fag Graphic Systems SA  
Fellinger Industrieelektronik  
GmbH  
Fife-Tidland GmbH  
FLEXOR (EMIS) Ltd  
Four Pees  
FRESCHI ITALIA S.R.L.  
Futec Europe GmbH  
Global Vision Inc  
Grafikontrol North America  
Grafische Systeme Volker  
Schischke  
Grafisk Maskinfabrik  
Grafotronic AB  
GSE Dispensing  
GTI  
HD Barcode LLC  
Heidelberger Druckmaschinen AG  
Honle UV America  
Hunkeler AG  
Hyden Packaging Pvt Ltd  
IN-CORE SYSTEMES  
Inspection Systems, Inc  
ISRA Vision  
J. F. Machines Ltd.  
Jemmco, LLC  
K2 International  
Karl Menzel Maschinenfabrik  
Karlville Development  
KETT US  
KOR Engineering Inc.  
Label Vision Systems, Inc

Labelmate USA LLC  
Labeltech  
Laem Systems Srl  
Lake Image Systems  
Lemorau  
LeoMat GmbH  
LPP Ltd  
Mahlo America Inc.  
Mainplate Controls  
Maxcess  
Menzel Vision Systems  
MIIP  
MoistTech Corp.  
Monotech Systems Ltd,  
Mühlbauer, Inc.  
NDC  
Nikka Research Deutschland  
GmbH  
Nordson Engineering GmbH  
Novation, Inc.  
One Box Vision  
Pantron Automation, Inc  
Paul Leibinger GmbH & Co. KG  
PC Industries  
Prati s.r.l.  
Print Products  
Process Sensors  
ProFlexo International.  
Q.I. Press Controls  
QIPC-EAE Americas  
QuadTech  
Reconcile Engineering Ltd.  
Rheintacho Messtechnik GmbH  
Rosas GmbH  
Rotary Systems Ltd.  
ROTOCONTROL  
Rotoflex  
Rycobel NV  
Ryeco  
S-two GmbH  
Scantech Automation Inc.  
Selectra Srl  
Sibress  
Sigrist Engineering AG  
SMAG (SRAMAG SAS)  
Sneep Industries  
Stamfag  
Surfscan Technologies Ltd  
Tecton International Ltd  
Testing Machines Inc.  
Tidland  
Topack Maquinaria S.L.  
TruColor Vision Systems, Inc.  
Unilux  
UV Graphic Technologies Pvt. Ltd.  
(formerly GTI)  
uv-technik meyer gmbh  
Valco Melton UK  
VAN ZALINGE Benelux B.V.  
VINSAK  
Visi-tech Systems Limited  
Voyantic Ltd  
Wasberger Label Equipment  
Web Techniques, Inc.  
Webex  
Webscan Inc  
WyndRyte Rewind Tables  
X-Rite Europe GmbH

#### Label applicators

3M Europe  
A&M Kinzel Siebdruckmaschinen  
**Accraply**  
Accu-Label Inc  
Accuplace  
ACHEM Industry America, Inc.  
Adesivos e Papéis Especiais RR  
Ltda.  
ADVENT  
Albertina Trading S.R.O.  
ALTECH Srl  
Altrapack Hungary Kft.  
Arca Etichette Spa  
Atwell Self-Adhesive Labellers  
Automatic Identification Systems  
UK Ltd  
Avery Dennison  
Axiom GB Ltd  
Bandall International  
Ben Clements and Sons, Inc./  
Tach-It  
Bluhm  
Brady  
BUSKRO USA Ltd  
cab  
CDA France  
Chris Finished Machinery Co. Ltd  
Computype  
CVC Technologies  
D.P.R. Labeling, LLC  
Datum Colour Print (Hatfield) Ltd  
DG Press  
Disson Tec LLC  
Dispensa-Matic Label Dispensers  
DMR Elettromeccanica S.r.l  
Doranix  
Dropjet Makina Kimya San. Ltd.  
Sti.  
DSE  
EASYLABEL Europa  
Etipack  
Etiquettes Plus  
FRESCHI ITALIA S.R.L.  
Garvey  
General Labels & Labeling (M)  
Sdn Bhd  
CODEX  
Gold Fai Machinery  
GROUPE MBC  
Hu Zhou HengXin Label  
manufacture Co Ltd  
Hurkimsa Kimya San.  
Hurtletron Inc.  
Impression Technology Americas  
dba Rapid Label Systems  
Impresstik Pty Ltd  
Inkstar Office Appliance Factory  
of Tianjin  
Interactive Coding Equipment  
(ICE)  
Itochu Deutschland GmbH  
K-D Hermann GmbH contact-  
Auszeichnungssysteme  
Karlville Development  
Kirk-Rudy, Inc.  
Konica Minolta Business  
Solutions Europe GmbH



www.anytronlabel.com



www.vipcolor.com



www.xeikon.com



Konica Minolta IJ Technologies, Inc.  
 Label-Aire A/S  
 Lowry Computer Products, Inc.  
 Luen Hop Engineering & Enterprise Co. Ltd  
 MALBATE  
 MECAMARC  
 Mimaki Europe BV  
 Modi Paper & Label Systems  
 NAM SING RIBBON (H.K.) LTD.  
 NITA Labeling Equipment  
 Nordson (UK) Ltd  
 Novation, Inc.  
 OKI Europe Ltd  
 Open Data Srl  
 Packaging & Converting Hotline  
 Paragon Labeling Systems  
 Pasquini & Kromer GmbH  
 PCM Image-Tek  
 PDC International Corporation  
 Pinewood Label Systems Limited  
 PowerForward Inc.  
 Primera Technology  
 Print On Labels  
 Printech Machinery Trading Canada  
 PRISYM ID Limited  
 PRIX International Avery  
 Dennison Fastener Ameri  
 Quadrel Labeling Systems  
 Rapid Label Systems  
 Ravenwood Packaging Ltd  
 RayPress Corporation  
 REA JET GmbH  
 Reconcile Engineering Ltd.  
 ROFIN-BAASEL, Inc.  
 Romprix Exim Srl  
 S-two GmbH  
 S.S.I, Inc  
 SATO  
 Screen USA  
 Seagull Scientific  
 Sew Access (Far East) Ltd  
 Simple Solutions and Innovations Inc  
 Sinel Systems S.A.  
 START International  
 StarTrack Europe v.o.f.  
 Ste. PRIX AFRIQUE  
 Summa, Inc.  
 Systems Print Media Ltd  
 Take-a-Label, Inc.  
 Tamarack Products Inc  
 Tech-Melt Adhesives Ltd.  
 Techcon Printing & Packaging  
 Tharo Systems, Inc.  
 Thermal Printer Support  
 Thiele Technologies  
 UltraSource LLC  
 Vacuumatic Ltd  
 VAN DEN BERGH Consulting  
 bvba  
 Weber  
 Wenzhou OuHua Stationery Co Ltd  
 Wide Range Srl  
 WRH Global Americas  
 Xinxiang Fineray Technology Ltd  
 Zhejiang Ouli Digital Inkjet Materials Co Ltd  
 Zhongshan Shuguan Self-Adhesive Products Co., Ltd  
 Zhongtian Machinery Works Co.Ltd

### Label dispensers

Activa Label Industries Ltd  
 AEBO Science Technology Co Ltd  
 Albertina Trading S.R.O.  
 ALTECH Srl  
 Altrapack Hungary Kft.  
 Atwell Self-Adhesive Labellers  
 Avery Dennison, Fastener & Labeling Systems  
 Avery Dennison, Fastener Americas  
 Axicon Auto ID  
 Axiom GB Ltd  
 Bandall International  
 Ben Clements and Sons, Inc./Tach-It  
 Bluhm  
 cab Produkttechnik GmbH & Co KG  
 CDA France  
 Computype  
 D.P.R.  
 Datum Colour Print (Hatfield) Ltd  
 Dispensa-Matic Label Dispensers  
 Etillux  
 Etipack  
 Etiquettes Plus  
 Garvey  
 General Labels & Labeling (M) Sdn Bhd  
 GODEX  
 GROUPE MBC  
 Impresstik Pty Ltd  
 K-D Hermann GmbH contact-Auszeichnungssysteme  
 Label-Aire A/S  
 Labelmate  
 LLT Labels  
**Longford International Ltd**  
 Novation, Inc.  
 OKI Europe Ltd  
 Open Data Srl  
 Pinewood Label Systems Limited  
 Primera Technology Europe  
 Print On Labels  
 Printex Srl  
 PRIX International Avery  
 Dennison Fastener Ameri  
 REA JET GmbH  
 Romprix Exim Srl  
 SATO  
 START International  
 Ste. PRIX AFRIQUE  
 Systems Print Media Ltd  
 Take-a-Label, Inc.  
 Thiele Technologies  
 UltraSource LLC  
 Vacuumatic Ltd  
 Visel Italiana S.r.l.  
 Voyantic Ltd  
 Weber  
 Wide Range Srl  
 WRH Global Americas

### Label overprinters and print-apply systems

3M Singapore  
 Afinia Label  
 Albertina Trading S.R.O.  
 Alpha-Cure Ltd  
 ALTECH Srl  
 Altrapack Hungary Kft.  
 Arca Etichette Spa  
 Atwell Self-Adhesive Labellers  
 Automatic Identification Systems UK Ltd

Avery Dennison  
 Axiom GB Ltd  
 Bandall International  
 Bluhm  
 cab  
 Computype  
 D.P.R. Labeling, LLC  
 Dakota Integrated Services  
 De Rossi Vittoriano S.r.l.  
 Dilli  
 Domino Printing Sciences  
 EASYLABEL Europa  
 Etipack  
 Etiquettes Plus  
 Etlon Corporation  
 Eurocoding  
 FFEI  
 FRANCIS BUEHLER AG  
 Grafotronic AB  
 GROUPE MBC  
 Hapa AG  
 Hurkimsa Kimya San.  
 Impression Technology Europe  
**Inkjet Solutions Limited**  
 Interactive Coding Equipment (ICE)  
 ITL Group  
 Iwatsu Electric Co Ltd  
 Kanematsu Corporation  
 KBA-MePrint AG  
 Label Industry Consultants (& Machinery) Ltd  
 Label-Aire A/S  
 Labelmate LLC.  
 Lake Image Systems Ltd  
 LeoMat GmbH  
 LLT Labels  
 MECAMARC  
 Mimaki Europe BV  
 Mutoh Belgium n.v.  
**Newfoil Machines Limited**  
 NITA Labeling Equipment  
 OKI Europe Ltd  
 Palmetto Imaging Technology, LLC  
 Paragon Labeling Systems  
 PCM Image-Tek  
 Positive ID Labelling Systems  
 Print On Labels  
 Printex Srl  
 PRISYM ID Limited  
 ProFlexo International  
 Prototype & Production Systems, Inc./ DICE Graphic Technologies  
 Rea  
 Reliance Label Solutions, Inc  
 ROTOCONTROL  
 Rotoflex UK  
 S.S.I, Inc  
 SATO  
 SwiftColor  
 Systems Print Media Ltd  
 Take-a-Label, Inc.  
 Techcon Printing & Packaging  
 Tharo Systems, Inc.  
 Thermal Transfer Solutions Ltd  
 Transfer Trade s.r.l.  
**Trojanlabel**  
 Typerite  
 UltraSource LLC  
 UniNet  
 Union Chemicar Europe  
 VAN ZALINGE Benelux B.V.  
 VanDerEng BV  
 Weber  
 WRH Global Americas  
 Zhongtian Machinery Works

Co.Ltd

### Label papers

Adesivos e Papéis Especiais RR Ltda.  
 Ahlstrom > see Munksjö  
 Al Husein International  
 Aluminium Feron GmbH &Co. KG  
 Appvion, Inc.  
 ARclad  
**Arconvert**  
 Arjobex/Polyart  
 Arjowiggins  
 Avery Dennison  
 AzCoat, Inc.  
 Bandall International  
 Bella Kagit  
 BESEL  
 Blanco Labels  
 Boise Paper  
 Brady  
 BW Bielomatik  
 Camelot Papers Inc  
 Cartonal Italia SpA, Release & Label Paper  
 Catalyst Paper  
 CEZAR Ltd.  
 Cham Paper Group  
 Colacril  
 Continental Datalabel  
 Contract Converting, LLC  
 CPD the Coated Products Division of PCI  
 Crown Van Gelder B.V.  
 Dakota Integrated Services  
 Delfortgroup AG  
 Dunafin Kft.  
 DuraFast Label Company  
 Epson Europe  
 Etiquetas Brasil Ltda  
 Etiquettes Plus  
 Fangda Packaging Co., Ltd.  
 (Hebei,China)  
 Folien Fischer AG  
 Foshan Chancheng Hengyi Plastic  
 Color Printing Factory  
 FUJIAN TAIXING SPECIAL PAPER CO, LTD  
 Gendler Kirtasiye Tic. San Ltd Sti  
 Globus International  
 GODEX  
 Gombau Group  
 Granwell Products / Polyolith  
 Greenstik Limited  
 GROUPE MBC  
 GTechnology LTD  
 Guangdong Guan hao High Tech Co Ltd  
 Guangzhou Manborui Material Technology Co Ltd  
 Hansol Paper Co Ltd  
 Hollingsworth & Vose Company  
 Hop Industries Corp.  
 Hu Zhou HengXin Label manufacture Co Ltd  
 Huadi Machinery Co.,Ltd  
 Hurkimsa Kimya San.  
 Huzhou Kingdom Coating Industry Co.,Ltd.  
 Idea Paper  
 IGF Europe NV (International Graphic Films)  
 Image Computer Systems  
 Infinity Tapes  
 Innovative Adhesives  
 Italstick Self Adhesive Materials &

Coatings  
 Japan Pulp & Paper GmbH  
 Jujo Thermal Ltd.  
 K Laser Technology Inc.  
 Kanzaki Specialty Papers  
 KANZAN Spezialpapiere GmbH  
 Kasha Ribbon  
 Kimberly-Clark, Technical Paper  
 Koan Hao Technology Co., Ltd  
 Label Pack  
 Label Planet  
 Lana Papiers Spéciaux II  
 LECTA  
 LLT Labels  
**LTHD**  
 Mactac  
 Mark Products Corp  
 Masterpiece Graphix  
 Matthias Paper Corporation  
 MAX International Converters Inc  
 MDV GmbH  
 Merchant Net / Heritage Paper  
 Mitsubishi HiTec Paper  
 Modi Paper & Label Systems  
 MultiSTIQ International Coating  
 B.V.  
 Munksjö  
 National Paper Company  
 NDC Spray Coating System  
 Fabricating Co., Ltd.  
 Neptun Technologies GmbH  
 New Solution S.A.  
 NuCoat Inc  
 Optimum Metallising  
 Oracle Paper Group Inc  
 Oxford Instruments  
 Paper Resources, Inc.  
 Papertec Inc  
 Papeteries du Pont de Claix  
 PASACO Coated Papers Co Ltd  
 Perez Trading Company  
 Printum UV  
 PRIX International Avery  
 Dennison Fastener Ameri  
 PT PINDO DELI PULP & PAPER  
 MILLS  
 PURE Labels (Elevate Packaging,  
 Inc)  
 REA JET GmbH  
 Ricoh  
**Ritrama**  
 Rolling Optics  
 Romprix Exim Srl  
 Sappi  
 SATO  
 ScandStick AB  
 Seibert - PFV  
 Shanghai Jinda Plastic Co., Ltd.  
 Shanghai Realtac Trading  
 Company Ltd  
**Sihl GmbH**  
 SMI Coated Products Pvt Ltd  
 Sodinor  
 Sojitz Europe Plc  
 Star Coating AG  
 Ste. PRIX AFRIQUE  
 Stratos  
 Systems Print Media Ltd  
 Taizhou Newtech Film Co Ltd  
 Tamerica Products, Inc.  
 TESLIN Substrate by PPG  
 Industries  
 Thai KK Industry Co Ltd  
 Thilmany Papers  
 Torras Papier GmbH  
 Torraspapel  
 Tullis Russell

Twin Rivers Paper Company  
 UPM-Kymmene Corporation  
 VanDerEng BV  
 Verso Corporation  
 Verso Specialty Papers  
**VIP Color**  
 Wausau Paper Corp.  
 Wenzhou OuHua Stationery Co  
 Ltd  
 Wenzhou Protec Vacuum  
 Metalizing Co Ltd  
 Western Photonics Technology  
 Xiamen Delish Automation  
 Equipment Co., Ltd  
 Yakasan A.S.  
 Yupo  
 Zhongshan Shuguan Self-  
 Adhesive Products Co., Ltd  
 Ziegler Papier AG  
 Zuber Rieder

### Laser-cutting engraving systems

MLT - Micro Laser Technology  
 GmbH  
 A&M Kinzel Siebdruckmaschinen  
 AB Graphic  
 ALS Engineering GmbH  
 Anilox Laser Technology LTD - ALT  
 Applied Laser Engineering Ltd.  
 Bitek Technology Inc. (anytron)  
 cab Technology, Inc.  
 Cartes S.r.l.  
 Coherent Inc.  
 Creative Machinery &  
 Technologies Ents.  
 D.P.R.  
 Delta ModTech  
 Demak S.r.l.  
 Dorey Converting Systems  
 Ecolabel Ltd  
 Epilog Laser  
 Flexoclean Engineering  
 FlexoLaser GmbH  
 Fujifilm North America  
 Corporation  
 Fulflex Flexographic Systems  
 Gannicott Limited  
 GCC Europe BV  
 Golden Hontec Laser (Donnguan  
 Hontec Machinery)  
 Grafisk Maskinfabrik  
 Hans-Gronhi Graphic Technology  
 Company Limited  
 Helios Elío Cavagna srl  
 Hell Gravure Systems GmbH &  
 Co. KG  
 Hontec Machineries  
 Hunkeler AG  
 Karlville Development LLC  
 Label Industry Consultants (&  
 Machinery) Ltd  
 LANG GmbH & Co. KG  
 Laserlife Australia  
 LasX Industries, Inc.  
 Masonlite Sign Supplies and  
 Equipment  
 Matik, Inc.  
 Max Daetwyler Corporation  
 Morgan Design Group  
 Preco, Inc.  
 ROFIN-BAASEL, Inc.  
 Schober USA, Inc.  
 SEI Laser  
 Sibress  
 Spartanics

Trotec  
 Universal Laser Systems, Inc.  
 VAN ZALINGE Benelux B.V.

### Letterpress presses

Alpha-Cure Ltd  
 AP Systems AG  
 Autoprint Machinery Mfrs.Pvt. Ltd  
 Belfar Ltd  
 BTS Industries (S) Pte Ltd  
 Carltek Industries (Taiwan) Corp.  
 Champion Creaton Industries  
 Co Ltd.  
 Chromos AG  
 Codimag  
 Da Shen Printing Machine Co Ltd  
 DG Press  
 DSE  
 Etipol A/S Printing Technology  
 FlexoExport Ltd  
 Graficon Maschinenbau AG  
 Grafische Systeme Volker  
 Schischke  
 Grafitec Web Ltd  
 GSM Graphic Supplies &  
 Machinery Ltd  
 Han Yang Industries  
 Heidelberg  
 Hontec Machineries  
 Hoya Candeo Optronics Corp.  
 Hu Zhou HengXin Label  
 manufacture Co Ltd  
 Innovative Equipment  
 Iwasaki International Inc.  
 KPG  
 Kyoto International Corporation  
 Label Industry Consultants (&  
 Machinery) Ltd  
 Label Planet Pvt. Ltd.  
 Labelform Graphics Ltd  
 Labelmen Machinery Co. Ltd  
 Larson/Burton Inc.  
 Link Label Machinery Co Ltd  
 Lintec  
 LS-Int.com Ltd  
 MALBATE  
 MAM - Machines & More  
 Mid American Rubber  
 Mida Maquinaria  
 Nickel Printing Machinery Co Ltd  
 OCC Label Printing Machines  
 ORTHOTEC, WAN AN PRECISE  
 MACHINERY WORKS CO., LTD.  
 Polygraphica Equipment Ltd  
 PRACMATIC Maschinenbau Ltd  
 Reel To Reel International Ltd  
 Ruttiman Trade AG  
 Sanjo Machine Works Ltd  
 SANJO Semi-rotary Presses  
 Sanki Machinery Co Ltd  
 Sanki USA, Inc.  
 SHIKI MACHINE SUPPLY CORP.  
 Smooth Machinery  
 TAIYO KIKAI CO.,LTD.  
 Tangshan Wanjie Europe  
 YINHUA Printing Technology  
 Co.,Ltd  
 Zhejiang Hexiang Printing  
 Machinery Co Ltd  
 ZHEJIANG ZHONGTE  
 MACHINERY

### Linerless and self-wound labels

ACHEM Industry America, Inc.

AERO, d.d.  
 Appvion, Inc.  
 Atwell Self-Adhesive Labellers  
 Avery Dennison - Label and  
 Packaging Materials Europe  
 Bandall International  
 Bella Kagit  
 Bostik SA  
 Continental Datalabel  
 CPD the Coated Products Division  
 of PCI  
 D&K Coating Technologies, Inc  
 ETI Converting Equipment  
 Evonik Corporation  
 Frimpeks A.S.  
 HIP-Mitsu s.r.l.  
 Hunkeler AG  
 IGF Europe NV (International  
 Graphic Films)  
 Impresstik Pty Ltd  
 Kanzaki Specialty Papers  
 Kumar Labels  
**Lemu Talleres SA**  
 Maan Engineering  
 MAX International Converters Inc  
 Mitsubishi HiTec Paper  
 Nadco Tapes & Labels, Inc  
 NASTar Inc.  
 Neptun Technologies GmbH  
 Nicoat  
 Onemach Industries CO.,PTE LTD  
 PASACO Coated Papers Co Ltd  
 QSPAC Industries, Inc  
 Ravenwood Packaging Ltd  
 Ricoh  
**Ritrama**  
 ScandStick AB  
 Transfer Trade s.r.l.  
 Wacker Chemie AG

### MIS software

**BEL Computer Systems**  
 Cerm Business Management  
 Software  
 Computer Productivity Services  
 Inc.  
 Covectra Europe Limited  
 CRC Information Systems, Inc.  
 DALIM SOFTWARE GmbH  
 DiMS! organizing print (European  
 Headquarters)  
 EFI  
 Enterprise Print Management  
 Solutions  
 ERP ABBATE UK LIMITED  
 FFEI  
 Globe-Tek Corporation  
 Heidelberger Druckmaschinen AG  
 Hybrid Software Inc.  
 ITL Group  
 Key2Print sp z.o.o.  
 Kodak  
 Label Traxx  
 Lake Image Systems Ltd  
 Nikka Research Deutschland  
 GmbH  
 Perspex Kft  
 Q.I. Press Controls  
 QIPC-EAE Americas  
 Rti Digital  
 Shuttleworth Business Systems  
 SISTRADE - Software Consulting,  
 S.A.  
 SoftSolutions, Inc.  
 Tharstern  
 theurer.com

UpSoftware Argentina

### Metalized substrates

BESEL  
Brady  
Brushfoil, Division of Interfilm Holdings, Inc.  
Camelot Papers Inc  
Clarifoil  
Coburn Graphic Films Inc  
Color-Logic Inc - European Office  
Continental Datalabel  
Contract Converting, LLC  
Cytec Surface Specialties SA/NV  
Dunmore  
Eckart America Corporation  
ECKART GmbH  
Filmquest  
FLEXcon Company, Inc.  
Folex AG  
FuWei Films(ShanDong) Co. Ltd  
GARWARE POLYESTER LTD.  
Griff Paper and Film  
Hanita Coatings  
HUECK FOLIEN GmbH  
IGF - International Graphic Films  
IIC AG  
Infinity Tapes  
Innova Films  
Inteplast Group Ltd - AmTopp Division  
Italstick Self Adhesive Materials & Coatings  
ITW  
Jindal Films  
Kumar Labels  
LECTA  
Leonardus S.r.l. - Italy  
LINTEC Corporation  
Manucor Spa  
Manuli Film Spa  
Masterpiece Graphix  
MAX SPECIALITY FILMS LIMITED (A Subsidiary of Max Ventures & Industries Limited)  
MDV GmbH  
Metallized Products Inc  
Newell Busines Services Co., Ltd  
Optimum Metallising  
Perez Trading Company  
POLIBAK PLASTIK FILM SANAYI  
VE TICARET A.S.  
Poligof S.R.L.  
Polinas  
Premier Coating & Converters  
Print Systems  
Proma Technologies  
R Tape Corporation  
Sanyo Corporation of America  
Seibert - PFV  
Sustanium  
**Taghleef**  
Technical Coating Intl  
TerraSkin®  
Toray Plastics (America), Inc  
Torras Papier GmbH  
Torraspapel  
Treofan America, Inc.  
Triton International Enterprises  
Vacmet Packagings (India) Pvt Ltd  
Wenzhou Protec Vacuum  
Metalizing Co Ltd  
X-Film Selbstklebefolien GmbH

### Offset blankets

Braden Sutphin Ink  
Central Ink Corporation  
Felix Boettcher GmbH Co  
Fujifilm North America Corporation  
Future Pack / KOREA  
Heidelberger Druckmaschinen AG  
Komori-Chambon  
LARTEC - Flexible Dies  
marks-3zet GmbH & Co. KG  
Monarch Color Corp.  
Printgraph SpA  
RM (Rotary) Services Ltd  
Rossini

### Offset presses

adphos Digital Printing GmbH  
Alpha-Cure Ltd  
**Bobst**  
Codimag  
Comexi  
**Contiweb**  
DG Press  
DIP Co.  
Eurograv Limited  
Futec Europe GmbH  
**Gallus Ferd. Rüesch AG**  
Goss International  
Graficon Maschinenbau AG  
Grafische Systeme Volker  
Schischke  
GSM Graphic Supplies & Machinery Ltd  
Gulf Commercial Group  
Hamillroad Software Ltd  
HC Miller Press  
Heidelberger Druckmaschinen AG  
Iwasaki International Inc.  
KBA  
Komori-Chambon  
Label Industry Consultants (& Machinery) Ltd  
Labelmen Machinery Co. Ltd  
Link Label Machinery Co Ltd  
Matik, Inc.  
Mid American Rubber  
Mida Maquinaria  
Miyakoshi  
Monotech Systems Ltd,  
**MPS Systems B.V.**  
Nilpeter A/S  
Omet Srl  
ORTHOTEC, WAN AN PRECISE MACHINERY WORKS CO., LTD.  
Polygraphica Equipment Ltd  
R.C. Lamps S.n.c. / VTI  
Rotatek Printing Machinery, S.L  
SHIKI MACHINE SUPPLY CORP.  
Styers Equipment Company  
Super Web Digital  
Tangshan Wanjie Europe  
TKM Meyer GmbH  
Weifang Donghang Graphic Technology Inc.  
WEIGANG Machinery  
ZHEJIANG ZHONGTE MACHINERY

### Plate mounting equipment

Agfa Graphics  
Aghili Drucktechnik  
All Printing Resources  
Altec Vision Equipment

### Anderson & Vreeland, Inc.

ATS-Tanner Banding Systems AG  
AV Flexologic  
Bieffebi S.p.A  
C.T. Graphic Arts  
CAMIS SRL  
Carl Ostermann Erben GmbH (COE)  
Conversource Inc.  
CT Graphic Arts  
DELTAPAK B.V.  
Distribuidora Gráfica Novaro, SA de CV.  
Dixie Graphics  
DuPont de Nemours (Deutschland) GmbH  
E.L. Harley, Inc.  
Eurograv Limited  
Felix Boettcher GmbH Co  
Flexotech Hungary Ltd  
Fujifilm North America Corporation  
Glunz & Jensen  
Gonderflex International Inc,  
Graphbury Smart Solutions, LLC  
INOMETA GmbH  
JM Heaford Ltd  
Mark Andy  
Mezzadri Srl  
PGI TECHNOLOGIES PVT. LTD  
Pitman Company  
Polymount Int Bv  
Precise Graphic India Pvt Ltd  
Print Products  
Print Systems  
Proact Converting Equipment  
ProFlexo International  
Quality Discount Press Parts & Equipment  
raantec GmbH & Co. KG  
Rogers  
Sigrist Engineering AG  
**Sinkotech**  
ST Converting S.r.l.  
Sys Tec Converting  
Tectonic International Ltd  
**tesa**  
UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
Weifang Donghang Graphic Technology Inc.  
Weldon Celloplast Limited

### Plates and platemaking equipment

3ES Mega Elektromekanik  
Advanced Prepress Graphics Inc  
Agfa Graphics  
Agfa Graphics  
All Printing Resources  
Alltrade Recycling Equipment  
**Anderson & Vreeland, Inc.**  
Applied Laser Engineering Ltd.  
Asahi Kasei E-Materials Corporation  
Asahi Photoproducts (Europe)  
Athena Graphics  
AV Flexologic  
Beta Industries - The Quality Control Company  
Bunting Magnetics Co.  
C.T. Graphic Arts  
Caprock Developments Inc.  
Carl Ostermann Erben GmbH (COE)  
ContiTech Elastomer Coatings

Cron Europe GmbH  
CRON-ECRM LLC  
CT Graphic Arts  
Currie Group  
**Dantex**  
DigiFlex Ltd  
Distribuidora Gráfica Novaro, SA de CV.  
Dixie Graphics  
Douthitt Corporation  
Du Pont  
E. I. DuPont India Private Limited  
Eastman Kodak Company  
Econo Products, Inc.  
Esko  
Feket Elektrik Elektronik Makina  
Felix Boettcher GmbH Co  
Flexo Plate Digital  
Flexo Wash LLC  
Flexoclean Engineering  
Flexolaser GmbH  
Flint Group  
**Focus Label Machinery Ltd**  
Fujifilm  
Fulflex Flexographic Systems  
GE Richards  
Glunz & Jensen  
GretagMacbeth AG  
Hamillroad Software Ltd  
Heidelberger Druckmaschinen AG  
HEIGHTS (UK) Limited  
Heights USA Inc.  
Hell Gravure Systems GmbH & Co. KG  
Inglese S.r.l  
Intec Printing Solutions  
IRAC Srl  
Jet Europe BV  
Jet USA Corporation  
JH Davenport and Sons Ltd.  
JV Imaging Solutions, Inc  
Kammann Machines India Pte Ltd  
Kodak  
Label Industry Consultants (& Machinery) Ltd  
Laserlife Australia  
Lucky Huaguang Graphics Co Ltd  
Luminite Products Corp.  
MacDermid Graphics Solutions  
marks-3zet GmbH & Co. KG  
Max Daetwyler Corporation  
Mekrom Engineering SA  
Mitsubishi  
OEC Graphics, Inc.  
Olec Corporation  
Pitman Company  
Platcrafters  
Platingtech Beschichtung GmbH  
Print Systems  
Provedora Flexografica  
Railex (Filing) Ltd  
RBCOR, LLC  
RCK Video Systems  
Ruian Jingda Printing Machinery Co Ltd  
Screen Europe  
Sibress  
**Sinkotech**  
Solutions Graphiques  
Southern Lamps Inc  
Spring Coating Systems  
ST Converting S.r.l.  
STOMA GmbH  
TCS Technologies  
ThermoflexX  
Tower Products Inc.



Toyobo Co Ltd,  
Trinity Graphic USA Inc  
Troika Systems Ltd  
Vianord Engineering SAS  
Xante Corporation  
**Xeikon**  
Xpedx

### Prepress systems

3ES Mega Elektromekanik  
Agfa Graphics  
All Printing Resources  
Alphasonics  
**Anderson & Vreeland, Inc.**  
Athena Graphics  
AV Flexologic  
Banta  
**BEL Computer Systems**  
C.T. Graphic Arts  
Carlo Tagliabue  
CGS Publishing Technologies  
International, LLC  
CHILI Publish  
Color-Logic Inc  
Compose System Ltd  
Computer Productivity Services  
Inc.  
Creo Seattle, Inc (formerly  
ScenicSoft)  
Cron Europe GmbH  
CRON-ECRM LLC  
CT Graphic Arts  
Currie Group  
DALIM SOFTWARE GmbH  
**Dantex**  
Datum Colour Print (Hatfield) Ltd  
DigiFlex Ltd  
DIP Co.  
Distribuidora Gráfica Novaro, SA  
de CV.  
Dixie Graphics  
Douthitt Corporation  
DSE  
Eastman Kodak Company  
Econo Products, Inc.  
EFI  
Epson  
Esco  
EscoArtwork  
EyeC GmbH  
Fag Graphic Systems SA  
FFEI  
Flexo Label Advantage Group LLC  
(FLAG)  
Four Pees  
Fujifilm  
Fullflex Flexographic Systems  
GE Richards  
Global Graphics Software  
Global Vision Inc  
Glunz & Jensen  
GMG Americas  
GretagMacbeth AG  
Hamilroad Software Ltd  
Heidelberger Druckmaschinen AG  
Hell Gravure Systems GmbH &  
Co. KG  
Hewlett-Packard Company  
Hybrid Software  
Jet USA Corporation  
JM Heaford Ltd  
Jura JSP GmbH  
JV Imaging Solutions, Inc  
Kammann Machines India Pte Ltd  
Kodak  
Lüscher Technologies AG

marks-3zet GmbH & Co. KG  
Max Daetwyler Corporation  
Mekrom Engineering SA  
Monotech Systems Ltd  
Nikka Research  
One Box Vision  
PAS Media  
PC Industries  
Perfect Proofer by Integrity  
Engineering  
Pitman Company  
Polymount Int Bv  
Print Systems  
Provident  
RBCOR, LLC  
Rossini  
Rti Digital  
Ryback & Ryback Inc.  
SaatiPrint S.p.A.  
Screen  
Serinova Srl  
Sign Tronic AG  
Specialcolor  
SPGPrints  
STOMA GmbH  
Stork Prints America, Inc.  
Tech Sleeves  
ThermoflexX  
Tilia Labs Inc.  
Trinity Graphic USA Inc  
Vale-Tech Ltd  
Vianord Engineering SAS  
Webtech Inc  
Xante Corporation  
Xante Flexo Division

### Pressure-sensitive films

3M Industrial Adhesives & Tapes  
3M Mexico  
ACHEM Industry America, Inc.  
Achilles USA  
acpo, ltd  
**Acucote**  
Adesivos Ltd  
Aluminium Feron GmbH & Co. KG  
Appvion, Inc.  
**Arconvert**  
Arjobex/Polyart  
ATP Adhesive Systems AG  
Avatack Co Ltd  
Avery Dennison  
AzCoat, Inc.  
Baker Self Adhesive Materials  
BeardowAdams, Inc.  
Bella Kagit  
Bluhm  
Brady  
Brushfoil, Division of Interfilm  
Holdings, Inc.  
Budaval AG  
C.I ARclad S.A.  
CCT (Coating and Converting  
Technologies)  
Cerium Group Ltd  
Channeled Resources Group  
Clarifoil  
Clear Cast Technologies Inc.  
CMC Klebetechnik GmbH  
Coburn Graphic Films Inc  
Colacril Self-Adhesive Materials  
Collano Adhesives AG  
Continental Datalabel  
Convert-all, Inc.  
COSMO FILMS LIMITED  
CPD the Coated Products Division  
of PCI

CPPC - Decorative Products Co.,  
Ltd.  
Crown Roll Leaf, Inc.  
CSAT  
Cytec Engineered Materials  
D&K Coating Technologies, Inc  
Dilli  
Discount Labels  
Drytac  
DURICO C&T, INC  
Emax Label Solutions  
EPS Materials  
ExxonMobil Chemical Films Asia  
Pacific  
Flexcon  
Flexo Label Advantage Group LLC  
(FLAG)  
Folex AG  
Folien Fischer AG  
Folite  
Franklin Adhesives & Polymers  
Frimpeks A.S.  
Full Bond Tape Corporation  
GARWARE POLYESTER LTD.  
Gascogne Laminates  
Globus International  
Gombau Group  
Graphic Marking Systems  
Green Bay Packaging Inc.  
Greenstik  
Griff Paper and Film  
Guangdong Guanhao High Tech  
Co Ltd  
H.S. Industries Co., Ltd  
Herma GmbH  
Holowebs, LLC  
**Icap-Sira Chemicals And  
Polymers Spa**  
IGF - International Graphic Films  
IGF Europe NV (International  
Graphic Films)  
Infinity Tapes  
Innovative Adhesives  
Innovia Films  
Intercoat  
Italnastri S.p.A  
Italstick Self Adhesive Materials &  
Coatings  
Itochu Deutschland GmbH  
Japan Pulp & Paper GmbH  
Jindal Films Americas  
King Label Adhesive Products  
Co., Ltd  
KK Label  
Klöckner Pentaplast  
Koan Hao Technology Co.,Ltd  
Kumar Labels  
Lecco Industries Ltd  
LECTA  
Lenzing Plastics GmbH  
Leonardus S.r.l - Italy  
LINTEC  
Mactac  
Madico Inc  
Manter  
Manuli Film Spa  
Masterpiece Graphix  
MAX SPECIALITY FILMS LIMITED  
(A Subsidiary of Max Ventures  
& Industries Limited)  
MDV GmbH  
Metallized Products Inc  
Momentum Performance  
Materials  
Mondi Akrosil, LLC  
Mondoplastico Spa

MSM  
NAStar Inc.  
National Paper Company  
Oracle Paper Group Inc  
Pantech Tape Co., Ltd  
Paper Resources, Inc.  
Perez Trading Company  
Phoenix Packaging/Premier Cuts  
Plastic Suppliers Incorporated  
POLIBAK PLASTIK FILM SANAYI  
VE TICARET A.S.  
Polinas  
Polykote Corporation  
Polyonics  
Precision Coated Products Ltd  
Premier Coating & Converters  
Print-O-Tape Inc  
PURE Labels (Elevate Packaging,  
Inc)  
QSPAC Industries, Inc  
R Tape Corporation  
RayPress Corporation  
Rayven, Inc  
Repacorp, Inc.  
Ricoh  
**Ritrama**  
ROCHEUX INTERNATIONAL  
Roll Cover Italiana S.r.L  
SaatiPrint S.p.A.  
SAELIM CO., LTD.  
**Sales Srl**  
Sanyo Corporation of America  
SAScoat  
ScandStick AB  
SECUTAC  
**Sihl GmbH**  
SMI Coated Products  
Solar Plus Company  
Solutia Singapore Pte Ltd  
Spectratek Technologies, Inc.  
**Spinnaker Coating**  
STA, LLC  
Strata-Tac  
Stratos  
Sunbelt Sales & Marketing  
Associates, Inc.  
Super Film Packaging Films  
Sustanium  
Synthogra  
**Taghleaf**  
Tamerica Products, Inc.  
Tamperguard  
Tech-Melt Adhesives Ltd.  
Technicote, Inc.  
Tenza Technologies Ltd  
TESLIN Substrate by PPG  
Industries  
Toray Plastics (America), Inc  
Torrax Papier GmbH  
Torraxpapier  
Treofan America, Inc.  
Triton International Enterprises  
**UPM Raflatrac**  
VPF GmbH & Co. KG  
Wausau Coated Products, Inc.  
Weber  
Yakasan A.S.  
Yenom  
Yupo  
Zhejiang Ouli Digital Inkjet  
Materials Co Ltd

### Pressure-sensitive papers

**Acucote**  
ADVENT  
AERO, d.d.

Aluminium Feron GmbH & Co. KG  
 Appvion, Inc.  
**Arconvert**  
 Arjowiggins  
 ATP Adhesive Systems AG  
 Avatack Co Ltd  
 Avery Dennison - Label and Packaging Materials Europe  
 Avery Dennison do Brasil Ltda  
 Avery Dennison Label and Packaging Materials  
 AzCoat, Inc.  
 Baker Self Adhesive Materials  
 BeardowAdams, Inc.  
 Bella Kagit  
 Bluhm  
 Boise Paper  
 Budaval AG  
 C.I ARclad S.A.  
 Cartonal Italia SpA, Release & Label Paper  
 Catalyst Paper  
 CCT (Coating and Converting Technologies)  
 Cerium Group Ltd  
 Cham Paper Group  
 Channeled Resources Group  
 Colacril Self-Adhesive Materials  
 Collano Adhesives AG  
 CSAT  
 Delfortgroup AG  
 Dilli  
 Discount Labels  
 Dunafin Kft.  
 Emax Label Solutions  
 EPS Materials  
 Flexo Label Advantage Group LLC (FLAG)  
 Folien Fischer AG  
 Franklin Adhesives & Polymers  
 Frimpeks A.S.  
 Full Bond Tape Corporation  
 Gascogne Laminates  
 GBC  
 Globus International  
 Gombau Group  
 Green Bay  
 Greenstik Limited  
 Griff Paper and Film  
 Guangdong Guan hao High Tech Co Ltd  
 Hansol Paper Co Ltd  
 Herma GmbH  
**Icap-Sira Chemicals And Polymers Spa**  
 Infinity Tapes  
 Intercoat  
 Italnastrì S.p.A  
 Italstick Self Adhesive Materials & Coatings  
 Japan Pulp & Paper  
 King Label Adhesive Products Co., Ltd  
 KK Enterprise Co., Ltd.  
 KK Label Co., Ltd.  
 Lecco Industries Ltd  
 LECTA  
 Lenzing Plastics GmbH  
 LINTEC Corporation  
 Maan Engineering B.V.  
 Mactac  
 Manter  
 Masterpiece Graphix  
 MAX International Converters Inc  
 MDV GmbH  
 Mitsubishi HiTec Paper

Mondi Akrosil, LLC  
 MSM  
 NASTar Inc.  
 National Paper Company  
 Neptun Technologies GmbH  
 Non-Stop Label Co.  
 Oracle Paper Group Inc  
 Paper Resources, Inc.  
 Perez Trading Company  
 Phoenix Packaging/Premier Cuts  
 Polykote Corporation  
 Premier Coating & Converters  
 Print-O-Tape Inc  
 Printum UV  
 Proma Technologies  
 PURE Labels (Elevate Packaging, Inc)  
 QSPAC Industries, Inc  
 QuickLabel Systems  
 R Tape Corporation  
 RayPress Corporation  
 Rayven, Inc  
 Repacorp, Inc.  
 Ricoh  
**Ritrama.**  
 SAELIM CO., LTD.  
**Sales Srl**  
 Sappi  
 SAScoat  
 ScandStick AB  
 Shanghai Jinda Plastic Co., Ltd.  
 Shenzhen Moma Technology Co., Ltd  
 SMI Coated Products  
 Smith & McLaurin Ltd  
 Solutia Singapore Pte Ltd  
**Spinnaker Coating**  
 Stic on Papers Pvt Ltd  
 Strata-Tac  
 Stratos  
 Tamperguard  
 Tech-Melt Adhesives Ltd.  
 Technicote, Inc.  
 Tenza Technologies Ltd  
 Thai KK Industry Co Ltd  
 Thilmany Papers  
 Torras Papier GmbH  
 Torraspapel  
 Trinity Graphic USA Inc  
 Triton International Enterprises  
**UPM Raflatac**  
 Vacmet Packagings (India) Pvt Ltd  
 Verso  
 VPF GmbH & Co. KG  
 Wausau  
 Weber  
 Weldon Celloplast Limited  
 Xpedx  
 Yakasan A.S.  
 Yenom  
 Zhejiang Zhongjia Technology Co Ltd

#### Pressure-sensitive tapes

3M Mexico  
 ACHEM Industry America, Inc.  
 acpo, ltd  
 Aluminium Feron GmbH & Co. KG  
 ATP Adhesive Systems AG  
 Avatack Co Ltd  
 BeardowAdams, Inc.  
 Bella Kagit  
 Ben Clements and Sons, Inc./Tach-It  
 Bi.Esse Adesivi S.p.A  
 Brady

C.T. Graphic Arts  
 Captain Inc  
 CCT (Coating and Converting Technologies)  
 Cerium Group Ltd  
 Cham Paper Group  
 Channeled Resources Group  
 CMC Klebetechnik GmbH  
 Collano Adhesives AG  
 Conversource Inc.  
 CPD the Coated Products Division of PCI  
 CT Graphic Arts  
 Cytec Engineered Materials  
**Dantex**  
 DELTAPAK B.V.  
 Dilli  
 Discount Labels  
 Distribuidora Gráfica Novaro, SA de CV.  
 Edward Graphic  
 EPS Materials  
 Expert Stephan Heuser GmbH & Co. KG  
 Finjetchemical Industries Ltd  
 Flexcon  
 Folex AG  
 Forbo Bonding Systems  
 Franklin Adhesives & Polymers  
 Fujifilm North America Corporation  
 Full Bond Tape Corporation  
 GBC  
 Green Bay Packaging Inc.  
 Greenstik  
**Icap-Sira Chemicals And Polymers Spa**  
 Infinity Tapes  
 Innovative Adhesives  
 Italnastrì S.p.A  
 King Label Adhesive Products Co., Ltd  
 KK Enterprise Co., Ltd.  
 Lecco Industries Ltd  
 Lenzing Plastics GmbH  
 LINTEC Corporation  
 Lohmann  
 Maan Engineering B.V.  
 Mactac  
 Metagalaxy Industries Co., Ltd.  
 Momentive Performance Materials  
 Mondì  
 Nadco Tapes & Labels, Inc  
 Pantech Tape Co., Ltd  
 Paper Resources, Inc.  
 PEACE Company  
 Pitman Company  
 Polykote Corporation  
 Polyonics  
 Premier Coating & Converters  
 Print Products  
 ProFlexo International  
 Proveedora Flexografica  
 QSPAC Industries, Inc  
 R Tape Corporation  
**Ritrama**  
 Rogers BVBA  
 Rogers Corporation  
 Seal King  
 SECUTAC  
 Self Adhering Products  
 Shanghai Realtac Trading Company Ltd  
 Solutia Singapore Pte Ltd  
 Specialty Tapes LLC

STA, LLC  
 START International  
 Stic on Papers Pvt Ltd  
 Strata-Tac  
 Stratos  
 Taiwan Regional Association of Adhesive Tape Manufacturers  
 Tamperguard,  
 Tech-Melt Adhesives Ltd.  
**tesa**  
 Thiollier  
 UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
 Wausau Coated Products, Inc.  
 Weldon Celloplast Limited  
 Yenom  
 Yih Hwa Enterprise (S) Pte Ltd

#### Radio Frequency Identification (RFID)

AM-PG Group  
 bielomatik Leuze GmbH + Co. KG  
 BW Bielomatik  
**Comercial Arquè, S.A.**  
 Dorey Converting Systems  
**Graphi Mecc srl**  
 Huzhou Siny Label material Co., Ltd  
 ITD S.r.l  
 Iwasaki International Inc.  
 Jakob Müller AG  
 King Label Adhesive Products Co., Ltd  
 Kirk-Rudy, Inc.  
 Mainplate Controls  
 Matik, Inc.  
**MELZER maschinenbau GmbH**  
 Mühlbauer GmbH & Co. KG  
 Praxair Surface Technologies  
 Printum GmbH  
 Prooftag  
 Reconicle Engineering Ltd.  
 Rosas GmbH  
 Schoberttechnologies GmbH  
 Sew Access (Far East) Ltd  
 Shandong Taibao Anti-Counterfeiting Technology Products Co., Ltd  
 StarTrack Europe v.o.f.  
 Sun Chemical (Germany)  
 Tamarack Products Inc  
 Voyantic Ltd  
 Yenom

#### Release liners

3M Industrial Adhesives & Tapes  
 AERO, d.d.  
 Ahlstrom > see Munksjö  
 Applied Rigaku Technologies, Inc.  
 Avery Dennison - Label and Packaging Materials Europe  
 Boise Paper  
 Cartonal Italia SpA, Release & Label Paper  
 Catalyst Paper  
 Cham Paper Group  
 Channeled Resources Group  
 Colacril Self-Adhesive Materials  
 COSMO FILMS LIMITED  
 Coverme S.p.A  
 Crown Van Gelder B.V.  
 D&K Coating Technologies, Inc  
 Delfortgroup AG  
 Douglas Hanson Co.  
 Dunafin Kft.

Energetic Group/ECSUV  
Fangda Packaging Co., Ltd.  
(Hebei, China)  
Folien Fischer AG  
Folitec  
GARWARE POLYESTER LTD.  
Gascogne Laminates  
Genus Marketing Services (P) Ltd.  
Global Apeel Pty. Limited  
Globus International  
Granwell Products / Polyolith  
Greenstik Limited  
Griff Paper and Film  
Guangdong Guanhao High Tech  
Co Ltd  
Hansol Paper Co Ltd  
Herma GmbH  
Huhtamaki Forchheim  
Infinity Tapes  
Italstick Self Adhesive Materials &  
Coatings  
ITASA  
King Label Adhesive Products  
Co., Ltd  
KK Enterprise Co., Ltd.  
Klößner Pentaplast  
Koan Hao Technology Co., Ltd  
Kolon USA Inc  
Kunshan Formula Coating  
Technology Co., Ltd.  
Lecco Industries Ltd  
Loparex Inc  
Maan Engineering B.V.  
Mactac  
Metallized Products Inc  
Mitsubishi Polyester Film  
Molco n.v.  
Momentive Performance  
Materials  
Mondi  
MPI Release  
MSM  
Munksjö  
Neenah Paper Inc  
Neptun Technologies GmbH  
Pantech Tape Co., Ltd  
Papertec Inc  
PASACO Coated Papers Co Ltd  
Perez Trading Company  
Phoenix Packaging/Premier Cuts  
Plastic Suppliers Incorporated  
Polyplex  
Punto Luce  
Rayven, Inc  
Rossella S.r.l.  
Saint Gobain Performance  
Plastics  
Sappi  
SAScoat  
Shanghai Jinda Plastic Co., Ltd.  
Siliconature  
SMI Coated Products  
Solar Plus Company  
Star Coating AG  
Strata-Tac  
Sunliky Industry Limited  
Sustanium  
**Taghleef**  
Technicote, Inc.  
Tekra Corporation  
TerraSkin®  
Test Supplier | Enhanced  
ThiMany Papers  
Toray Plastics (America), Inc  
Twin Rivers Paper Company  
Univac Technology Inc.

UPM-Kymmene Corporation  
Verso  
Wacker Chemie AG  
Wausau Paper Corp.  
Weldon Celloplast Limited  
Wenzhou Protec Vacuum  
Metalizing Co Ltd  
Yenom Pte. Ltd.  
Zhejiang Ouli Digital Inkjet  
Materials Co Ltd  
Ziegler Papier AG

### Roll handling equipment

A&M Kinzel Siebdruckmaschinen  
Appleton MFG Div., Productive  
Solutions, Inc.  
Atlas Converting Equipment Ltd.  
AzTech Converting Systems  
B. Bunch Co  
Coatema Coating Machinery  
GmbH  
COMPONEX INC  
**Contiweb**  
CONVERPACK Benelux B.V.  
Core Systems International  
CTC International, Inc.  
CTS Industries  
**Daco Solutions Ltd**  
Dilli  
Dima  
Dimuken (GB) Ltd  
Dorey Converting Systems  
Double E Company  
DSE  
Fife-Tidland GmbH  
FLEXOR (EMIS) Ltd  
Holtby Williams International  
Karl Menzel Maschinenfabrik  
KOR Engineering Inc.  
KTI- A Quantum Design Company  
Labeltech  
**Lemu Talleres SA**  
LPP Ltd  
M A Supplies Group  
Maxcess  
Mona Equipments  
Neuralabel Printing Solutions  
Onemach Industries CO., PTE LTD  
PRACMATIC Maschinenbau Ltd  
Precision AirConvey Corp  
Print Products  
Quality Discount Press Parts &  
Equipment  
Reconcile Engineering Ltd.  
Rotary Systems Ltd.  
Sermar Machines Srl  
SRC Systems Limited  
Stratis Roll Pallets  
Svecom  
TAWI AB  
Test Supplier | Enhanced  
Tidland  
Tilt Lock  
Topack Maquinaria S.L.  
UltraSource LLC  
VAN ZALINGE Benelux B.V.  
Wasberger Label Equipment  
Webex  
Zecher GmbH

### Screen printing equipment

3ES Mega Elektromekanik  
A&M Kinzel Siebdruckmaschinen  
AB Graphic International  
adphos Digital Printing GmbH

Alpha-Cure Ltd  
ALS Engineering GmbH  
Berkeley Machinery  
Berra S.r.l.  
Carl Ostermann Erben GmbH  
(COE)  
Cartes S.r.l.  
Champion Creaton Industries  
Co Ltd.  
Coatema Coating Machinery  
GmbH  
Coates Screen  
Codimag  
DaTARIUS Technologies GmbH  
DMR Elettromeccanica S.r.l.  
Douthitt Corporation  
DPL Industri A/S  
DPS Innovations LLC  
DSE  
EMA UV Systems  
Epson America Inc.  
Franchini & C. S.r.l.  
Fujifilm North America  
Corporation  
Gallus  
Global Graphic Equipment Ltd  
Grafische Systeme Volker  
Schischke  
Gulf Commercial Group  
Heidelberg  
Hu Zhou HengXin Label  
manufacture Co Ltd  
Huzhou Unifull Label Fabric Co.,  
Ltd  
J. Zimmer Maschinenbau GmbH  
Kammann  
Label Industry Consultants (&  
Machinery) Ltd  
Label Planet Pvt. Ltd.  
Link Label Machinery Co Ltd  
MAM - Machines & More  
marks-3zet GmbH & Co. KG  
Mec  
Mey Systems  
Mida Maquinaria  
MPS  
OCC Label Printing Machines  
Omet Srl  
ORTHOTEC, WAN AN PRECISE  
MACHINERY WORKS CO., LTD.  
Precor, Inc.  
Printum UV  
Prisma Srl  
ProFlexo International  
RK Siebdrucktechnik GmbH  
Ruttiman Trade AG  
Sam Meccanica Srl  
SANJO Semi-rotary Presses  
Sanki Machinery Co Ltd  
Shanghai Realtac Trading  
Company Ltd  
SHIKI MACHINE SUPPLY CORP.  
Shun Hing Trade Mark Fty. Ltd.  
Sign Tronic AG  
SMAG (SRAMAG SAS)  
Smooth Machinery  
Southern Lamps Inc  
Spartanics  
SPGPrints  
Sun Chemical (Germany)  
TCS Technologies  
Telstar Engineering Inc.  
TKM Meyer GmbH  
UV Graphic Technologies Pvt. Ltd.  
(formerly GTI)  
WEIGANG Machinery

### Security inks-varnishes

ACTEGA  
Alden & Ott Printing Inks  
AlpVision  
American Water Graphics, Inc.  
Arets de Mexico  
Ashland Specialties UK Ltd.  
Braden Sutphin Ink  
Brady  
CFC International, Inc.  
Coates Screen  
Color Resolutions International,  
LLC  
Colorgraf SpA  
Cromogenia-Units S.A.  
Dai Nippon Printing Co., Ltd.  
Deco Chem Inc.  
Dilli  
DNP Singapore Pte. Ltd.  
Eckart  
Ecology Coatings  
EMD Chemicals, Inc.  
Encres Dubuit  
Ercon Inc.  
Flint Group  
Fluid Ink Technology, Inc.  
FRANCIS BUEHLER AG  
Fujifilm Hunt Chemicals USA, Inc.  
Gans Ink & Supply Co.  
GBC (Speciality Chemicals) Ltd  
Graphic Sciences Inc.  
Hapa AG  
IdeOn LLC  
IIMAK  
**Industrial Inkjet Ltd**  
InkSure Technologies Inc.  
Interactive Inks & Coatings  
Jänecke+Schneemann  
Druckfarben GmbH  
Kolorcure Corporation  
Luminescence International Ltd  
Magnum Inks & Coatings  
marks-3zet GmbH & Co. KG  
MGI  
Minus Nine Technologies  
Mirage Inks Ltd  
Natural Ink  
Nazdar Ink Technologies  
NiceLabel  
Nicoat  
november AG  
Paragon Inks  
Pelikan Hardcopy Scotland Ltd  
Printing Technology Services, Inc.  
Printum UV  
Product & Image Security  
Foundation  
Rador (France) S.A.S  
Rowat Inks BV  
Royal Adhesives and Sealants  
Sekuworks, LLC  
Sensient Imaging Technologies SA  
SICPA SA  
Siegwerk  
Squid Inks AG (Ltd.)  
Sun Chemical  
T&K Toka Co, Ltd  
Test Supplier | Basic  
Trace.IT - gestão e consultoria, s.a.  
Unico NV  
United Speciality Inks Pvt. Ltd.  
VINSAK  
Zeller+Gmelin



**Security materials**

acpo, ltd  
**Acucote**  
 Aluminium Feron GmbH & Co. KG  
 AM-PG Group  
 Angstrom Technologies Inc  
**ARCONVERT**  
 Arjobex/Polyart  
 Avatack Co Ltd  
 B-Core Incorporation  
 Budaval AG  
 C.I ARclad S.A.  
 Collano Adhesives AG  
 Complete Inspection Systems Inc.  
 Covectra Europe Limited  
 Drytac  
 Dunmore  
 DURICO C&T, INC  
 Electro Optic Werkzeugtechnik GmbH  
 Folien Fischer AG  
 Globe-Tek Corporation  
 Guangzhou Manborui Material Technology Co Ltd  
 Hanita Coatings  
 Holostik India Ltd  
 HUECK FOLIEN GmbH  
 Huzhou Siny Label material Co., Ltd  
 Infinity Tapes  
 King Label Adhesive Products Co., Ltd  
 Lana Papiers Spéciaux II  
 Leonardus S.r.l - Italy  
 MDV GmbH  
 Mitsubishi HiTec Paper  
 Mühlbauer GmbH & Co. KG  
 PCT Engineered Systems LLC  
 Premier Coating & Converters  
 Prooftag  
 Seal King  
 SECUTAC  
 Seibert - PFV  
**Sihl GmbH**  
 Sixtrue Srl  
 Smart Tab Products Limited  
 SPGPrints  
 Tamperguard  
 TESLIN Substrate by PPG Industries  
 Test Supplier | Basic  
 UEI Falcontec  
 Weldon Celloplast Limited  
 Yenom Pte. Ltd.  
 Yupo Europe GmbH  
 Zhejiang Zhongjia Technology Co Ltd

**Semi-rotary presses**

Afinia  
 Autoprint Machinery Mfrs.Pvt. Ltd  
 Berkeley Machinery  
 Champion Creaton Industries Co Ltd.  
 Codimag  
 Converting Equipment International Inc  
 Da Shen Printing Machine Co Ltd  
 Delta ModTech  
 DG Press  
 Dilli  
 Dorey Converting Systems  
 FLEXOR (EMIS) Ltd  
 Grafische Systeme Volker Schischke

Grafotronic AB  
 Han Yang Industries  
 Iwasaki International Inc.  
 KBA  
 Kumar Labels  
 Lombardi Converting Machinery Srl  
 MAM - Machines & More  
 MGE OCC  
 Mida Maquinaria  
 Miyakoshi  
 ORTHOTEC, WAN AN PRECISE MACHINERY WORKS CO., LTD.  
 Pactek International Inc.  
 PCM Image-Tek  
 Precise Graphic India Pvt Ltd  
 ProFlexo  
 R.C. Lamps S.n.c. / VTI  
 Rotatek Printing Machinery, S.L  
 Sam Meccanica Srl  
 SANJO Semi-rotary Presses  
 Smooth Machinery  
 Spartanics  
 Suntech & Ko LLC  
 Tangshan Wanjie Europe  
 WEIGANG Machinery

**Shrink/stretch films**

Advanced Packaging Films GmbH  
 Allen Plastic Industries Co Ltd  
 AM-PG Group  
 API Foils  
 Athena Graphics  
 Avery Dennison - Label and Packaging Materials Europe  
 Beijing Yongshengyunjia Wrapping Materials Co Ltd  
 Bilcare Solutions  
 Bonset America Corporation  
 CGS Publishing Technologies International, LLC  
 Controls Engineering  
 ExxonMobil Chemical Films Asia Pacific  
 Felins USA  
 Four Pees  
 FUJIAN TAIXING SPECIAL PAPER CO, LTD  
 Fujifilm North America Corporation  
 GARWARE POLYESTER LTD.  
 Gilbreth  
 Itochu Deutschland GmbH  
 Jindal Films  
 Karlville Development LLC  
 Klear Plastic Ventures, LLC  
 Klöckner Pentaplast  
 Kolon USA Inc  
 Masterpiece Graphix  
 Metallized Products Inc  
 Newell Busines Services Co., Ltd  
 PCT Engineered Systems LLC  
 PDC International Corporation  
 Perez Trading Company  
 Plastic Suppliers Incorporated  
 Pro Pack Group  
 QSPAC Industries, Inc  
 Repacorp, Inc.  
 SECUTAC  
 Sidaplast  
 Sustanium  
**Taghleef**  
 Taizhou Newtech Film Co Ltd  
 Test Supplier | Basic  
 TGW International Inc.  
 Treofan America, Inc.

Triton International Enterprises

**Silicone release coatings**

ACHEM Industry America, Inc.  
 Actega Radcure, Inc.  
**Acucote**  
 adphos Digital Printing GmbH  
 Applied Rigaku Technologies, Inc.  
 Ashland  
 Bluestar Silicones  
 COMPONEX INC  
 Douglas Hanson Co.  
 Dow Corning  
 Ecology Coatings  
 ETI Converting Equipment  
 Evonik Corporation  
 Fangda Packaging Co., Ltd.  
 (Hebei,China)  
 Flint Group Sweden AB  
 Folien Fischer AG  
 GARWARE POLYESTER LTD.  
 Genus Marketing Services (P) Ltd.  
 Globus International  
 Hannecard NV  
 Ichemco s.r.l.  
 Idea Paper  
 IdeOn LLC  
 ITASA  
 Jemmco, LLC  
 KCC Corporation  
 Keco Coatings  
 Kolon USA Inc  
 Korea Branch of Bluestar Silicones  
 HK Trading Co., Ltd  
 KROENERT  
 Kunshan Formula Coating Technology Co., Ltd.  
 Loparex Inc  
 Maan Engineering B.V.  
 Merchant Net / Heritage Paper  
 Metagalaxy Industries Co., Ltd.  
 Metallized Products Inc  
 Minus Nine Technologies  
 Mirage Inks Ltd  
 Momentive Performance Materials  
 Nicoat  
 Omnova Solutions Inc.  
 Pantech Tape Co., Ltd  
 Paragon  
 Polinas Plastik  
 QSPAC Industries, Inc  
 Rayven, Inc  
 Rossella S.r.L.  
 Royal Adhesives and Sealants  
 Saint Gobain Performance Plastics  
 Siliconature  
 Squid Inks AG (Ltd.)  
 Stic on Papers Pvt Ltd  
 Sunlky Industry Limited  
 Test Supplier | Basic  
 TLS Anilox GmbH  
 Toyo Ink Arets NV  
 Wacker  
 Yakasan A.S.  
 Yenom

**Sleeve systems**

A-Korn Roller, Inc.  
**Accraply**  
 Allen Plastic Industries Co Ltd  
 ARC International  
 Asahi Photoproducts (Europe)  
 AV Flexologix

Bandall International  
 BAT Graphics  
 Berkeley Machinery  
 Beta Industries - The Quality Control Company  
**Dantex**  
**DCM USIMECA**  
 De Rossi Vittoriano S.r.l.  
 DELTAPAK B.V.  
 Dixie Graphics  
 Eastman Kodak Company  
 Edward Graphic  
 Felix Boettcher GmbH Co  
 Flexolaser GmbH  
 Flint Group  
 Form-und Stanztechnik GmbH  
 GARWARE POLYESTER LTD.  
 Gilbreth  
 Glunz & Jensen  
 Goss International  
 Harper Corporation of America  
 Harper Graphics GmbH  
 Inglese S.r.l  
 Itochu Deutschland GmbH  
 JV Imaging Solutions, Inc  
 Karlville Development  
 Komori-Chambon  
 Luminite Products Corp.  
 PDC International Corporation  
 Polymount Int Bv  
 POLYWEST SLEEVE SYSTEMS  
 ProFlexo International  
 Rossini  
 Rotometal  
 Ryback & Ryback Inc.  
 Sibress  
 Simec Group S.r.l.  
 SOA INTERNATIONAL, LLC  
 SPGPrints Mexico SA de CV  
 Stork Prints America, Inc.  
 Tech Sleeves  
 TLS Anilox GmbH  
 Ungricht  
 Vianord Engineering SAS  
 Xymid, LLC  
 Zecher GmbH

**Splicing equipment**

A&M Kinzel Siebdruckmaschinen  
 Berkeley Machinery  
 Brenna Srl  
**BST eltromat International GmbH**  
 CMC Klebetechnik GmbH  
**Contiweb**  
 CTC International, Inc.  
 Davis-Standard, LLC  
 Dover Flexo Electronics, Inc.  
 DSE  
 Erhardt + Leimer GmbH  
 FAES AG  
 Kirk-Rudy, Inc.  
 KTI- A Quantum Design Company  
 Martin Automatic Inc  
 Pasquato SNC  
 Self Adhering Products  
 Serame  
**tesa**  
 TGW International Inc.  
 VAN ZALINGE Benelux B.V.

**Static elimination systems**

ACE di Barbui Davide & Figli S.r.l  
 Advanced Machinery NV  
 Air and Water Systems, Inc.

Airtrim, Inc.  
 Berkeley Machinery  
 Boussey Control Europe  
 Brady  
 Corotec Corporation  
 DELTAPAK B.V.  
 Doyle Systems (formerly)JE Doyle Co.)  
 DRAABE Humidification  
 Eltex Elektrostatik GmbH  
 Euroto Limited  
 FCT Corporation  
 Fraser Anti Static Techniques Ltd  
 General Magnaplate  
 Hamamatsu Photonics  
 Husson Inc.  
 Jemmco, LLC  
 KELVA  
 KERSTEN Elektrostatik GmbH  
 Meech  
 MKS, Ion Industrial  
 Precision AirConvey Corp  
 Proact Converting Equipment  
 Rycobel NV  
 SDI  
 Simco  
 Spengler Electronic AG  
 Static Clean International  
 StopStatic.com division of Alpha Innovation  
 Tantec Inc.  
 Teknek  
 UV Process Supply, Inc.

### Test equipment

A&M Kinzel Siebdruckmaschinen  
 Access Printing Solution  
 Adhesive Technical Services Ltd  
 Applied Rigaku Technologies, Inc.  
 Automatic Identification Systems UK Ltd  
 Axicon Auto ID  
 Berkeley Machinery  
 bielomatik Leuze GmbH + Co. KG  
 Brady  
 ChemInstruments  
 Complete Inspection Systems Inc.  
 CONVERPACK Benelux B.V.  
 Crest Solutions  
 Dyne Technology Ltd  
 Electromatic Equipment Co, Inc  
 EMERY WILLED SLU  
 EMWI Group  
 Erhardt + Leimer GmbH  
 EyeC GmbH  
 Fag Graphic Systems SA  
 Four Pees  
 GSE Dispensing  
 GTI Graphic Technology, Inc.  
 Hönle AG, UV Technology  
 Ichemco s.r.l.  
 IGT Testing Systems  
 Imada Inc  
 IMASS  
 IN-CORE SYSTEMES  
 Jakob Müller AG  
 JM Heaford Ltd  
 JUST Normlicht GmbH  
 KETT US  
 MoistTech Corp.  
 Mühlbauer, Inc.  
 Onemach Industries CO.,PTE LTD  
 PCT Engineered Systems LLC  
 Print Proof Solutions B.V.  
 Process Sensors  
 ProFlexo

QuadTech  
**RK Print Coat Instruments Ltd**  
 Ryback & Ryback Inc.  
 Sibress  
 StopStatic.com division of Alpha Innovation  
 Techkon GmbH  
 Testing Machines Inc.  
 Thwing Albert Instrument Company  
 Unilux  
 uv-technik meyer gmbh  
 VAN ZALINGE Benelux B.V.  
 VivaCasa  
 Voyantic Ltd  
 Webscan Inc  
 X-Rite Europe GmbH

### Thermal transfer ribbons

ADVENT  
 AEBO Science Technology Co Ltd  
 AM-PG Group  
**ARMOR**  
 AstroNova ProductIdentification  
 QuickLabel  
 Atwell Self-Adhesive Labellers  
 Autopack Pte Ltd  
 Avery Dennison  
 Baltea Srl  
 Best Label Enterprise Co Ltd  
 Blanco Labels  
 Bluhm Brady A  
 BTS Industries (S) Pte Ltd  
 Calor GmbH  
 CleanTech Cleaning Cards  
 Columbia  
**Comercial Arquè, S.A.**  
 Continental Datalabel  
 Dai Nippon Printing Co., Ltd.  
 Dakota Integrated Services  
 DaLian Fujisan Office Equipment  
 DNP  
 Dynic  
 EASYLABEL Europa  
 Emax Label Solutions  
 Etilux  
 Etiquetas Adesivas Ltd  
 Etiquetas Brasil Ltda  
 Etisoft  
 Eurocoding  
 Eurolabels Ltd  
 FAES AG  
 Far East Yu La Industry Limited  
 Fuji Copian (UK) Ltd  
 Gencler Kirtasiye Tic. San Ltd Sti  
 General Srl  
 GODEX  
 Graphic Marking Systems  
 Gulton Inc.  
 H.S. Industries Co., Ltd  
 Hangzhou New Huike Import and Export Co., LTD.  
 Hangzhou Todaytec Digital Co., Ltd.  
 Hu Zhou HengXin Label manufacture Co Ltd  
 Huzhou Siny Label material Co., Ltd  
 IIMAK  
 Inkstar Office Appliance Factory of Tianjin  
 Interactive Coding Equipment (ICE)  
 ITD S.r.l.  
 ITW  
 Jiaozuo Zhuorim Digital Material

Co Ltd  
 Kasha Ribbon  
 KDS  
 Korim Co Ltd  
 KURZ, LEONHARD, Stiftung & Co. KG  
 Labelmen Machinery Co. Ltd  
 Leadman Technology (Astro-Med-QLS System, Asia)  
 Lemmaco Kft  
 Leviteks Ltd. Sti.  
 LLT Labels  
 Lowry Computer Products, Inc.  
 m print morlock gmbh co. kg  
 Mastercorp Group  
 Matan Digital Printers  
 Microplex  
 New Protech Srl  
 Pack Vision BV  
 Palmetto Imaging Technology, LLC  
 Pelikan Hardcopy Scotland Ltd  
 Print On Labels  
 Print-O-Tape Inc  
 QuickLabel Systems  
 Regma Transfert Thermique  
 Ribbon Ltda  
 Ribboncraft Associates, Inc  
 Ricoh  
 Rotulo Ltd  
 Sai Poland  
 SATO  
 Shuanglin Texlabel Production Ltd  
 Signet Marking Devices  
 Sijal - Sociedade de Representacoes e Comercio  
 Simple Solutions and Innovations Inc  
 Spandex Group  
 Stic on Papers Pvt Ltd  
 Stratix Corporation  
 Summa  
 Systems Print Media Ltd  
 Techcon Printing & Packaging  
 Thermal Printer Support Ltd  
 Thermal Transfer Solutions Ltd  
 Thermo Code System  
 Thiollier  
 TODAYTEC Thermal Transfer Ribbons  
 Transam Industries Pte Ltd  
 Transfer Trade s.r.l.  
 TTR Euroworks BV  
 Typerite  
 UCA  
 Union  
 VanDerEng BV  
 Viet Tran Vietnam Co Ltd  
 Weber  
 Xiamen Delish Automation Equipment Co., Ltd  
 Xinxiang Fineray Technology Ltd  
 YINHUA Printing Technology Co.,Ltd  
 Yupo Corporation America  
 Zhejiang Hengfeng Packing Co Ltd

### Track and trace solutions

AlpVision  
 AM-PG Group  
 Angstrom Technologies Inc  
 Appvion, Inc.  
 Atlantic Zeiser  
 ATT Advanced Track & Trace  
 Avery Dennison - Label and

Packaging Materials Europe  
 Axode  
**BEL Computer Systems**  
 Bluhm  
 Brady  
 cab Technology, Inc.  
 CCL Package Label SNC  
 Computer Productivity Services Inc.  
 Computype  
 Covectra Europe Limited  
 Crown Roll Leaf, Inc.  
 D.P.R. Labeling, LLC  
 Dakota Integrated Services  
 Datalase Inc.  
 De La Rue  
 Digimarc Corporation  
 Digital Print, Inc.  
 Dima  
 DOMINO  
 Dynic  
 Eaglewood Technologies/Sani-Blast  
 Eastman Kodak Company  
 EMERY WILLED SLU  
 EMWI Group  
 Fasver  
 Felins USA  
 FLEXcon Company, Inc.  
 Formyflex  
 GBC (Speciality Chemicals) Ltd  
 Gemini TRAZE RFID Pvt Ltd  
 Globe-Tek Corporation  
**Graphi Mecc srl**  
 GSE Dispensing  
 Hewlett-Packard Company  
 Holostik India Ltd  
 Hunkeler AG  
 IIMAK  
 ImTech Inc.  
 InkSure Technologies Inc.  
 Interactive Coding Equipment (ICE)  
 ITD S.r.l.  
 ITL Group  
 Jakob Müller AG  
 Jordan Products Inc.  
 Jura JSP GmbH  
 Lake Image Systems  
**Longford International Ltd**  
 Lowry Computer Products, Inc.  
 Monotech Systems Ltd,  
 Mühlbauer GmbH &Co. KG  
 Multifeder Technology Inc  
 NiceLabel  
 Nikka Research Deutschland GmbH  
 Orell Füssli Security Printing Ltd  
 Pap'Argus  
 Paul Leibinger GmbH & Co. KG  
 Paxar/Avery Dennison  
 PCM Image-Tek  
 Pelikan Hardcopy Scotland Ltd  
 PolyIC GmbH & Co. KG  
 Polyonics  
 Premier Coating & Converters  
 Printing Technology Services, Inc.  
 Prism  
 Prooftag  
 Prototype & Production Systems, Inc./ DICE Graphic Technologies  
 Q.I. Press Controls  
 QIPC-EAE Americas  
 Rolling Optics  
 Seal King  
 Sekuworks, LLC

Shanghai Fudan-Techsun New Technology Co., Ltd.  
SICPA SA  
Sixtrue Srl  
SoftSolutions, Inc.  
StarTrack Europe v.o.f.  
SURYS, the new name for Hologram. Industries  
Trace.IT - gestão e consultoria, s.a.  
TraceTag International Ltd  
UBIQUE.TAG  
VanDerEng BV  
VINSAK  
Weber

### Trade associations

AIMCAL  
Associação Brasileira das Indústrias de Etiquetas Adesivas  
Berkeley Machinery  
Datum Colour Print (Hatfield) Ltd  
DiTrollo Flexographic Institute Inc  
Febelgra  
FINAT  
Flexo Label Advantage Group LLC (FLAG)  
Flexographic Prepress  
Platemakers Association  
Flexographic Technical Association (FTA)/FLEXO Magazine  
Foil & Specialty Effects Association (FSEA)  
Hologram Manufacturers Association of India (HoMAI)  
Institute of Packaging Professionals  
KVGO  
Labelexpo Global Series  
LMAI - Label Manufacturers Association of India  
Picon  
Product & Image Security Foundation  
Tag & Label Manufacturers Institute, Inc. (TlMI)  
Tag and Label Manufacturers Institute  
Taiwan Regional Association of Adhesive Tape Manufacturers  
UL LLC  
UNFEA  
Universal Print Partners

### Trade press

Aktuelle Papier-Rundschau Extra  
Wellpappe  
Flexographic Technical Association (FTA)/FLEXO Magazine  
Foil & Specialty Effects Association (FSEA)  
Graficus  
Kursiv Publishing House  
Labels & Labeling magazine  
PackMittel magazine  
Pap'Argus  
Ruttiman Trade AG  
Whitmar Publications Ltd  
Yeuell Nameplate & Label

### UV lamps and curing systems

A&M Kinzel Siebdruckmaschinen

AAA Press International, Inc.  
adphos Digital Printing GmbH  
Aetek UV Systems, Inc.  
Al's Co UV, Inc.  
Alpha-Cure  
American Ultraviolet  
Amica Systems (Europe) B.V.  
AMS SPECTRAL UV – A Baldwin Technology Company  
Aradiant  
Araytech  
Berkeley Machinery  
Brewer UV Systems  
BUSKRO USA Ltd  
Caprock Developments Inc.  
CGS Publishing Technologies International, LLC  
DELTAPAK B.V.  
Dilli  
Distribuidora Gráfica Novaro, SA de CV.  
Douthitt Corporation  
DPL Industri A/S  
DPS Innovations LLC  
DR. FISCHER Group  
Econo Products, Inc.  
EIT Instrument Markets  
Elmag SpA  
Eltosch Grafex GmbH  
EMA UV Systems  
EMERY WILLED SLU  
EMWI Group  
Excelerate® by Lumen Dynamics  
Excelitas Technologies Corp.  
Feket Elektrik Elektronik Makina  
Fusion UV Systems Inc.  
G Technologies Srl  
GB Flexo Equipment  
GCC Europe BV  
GEW (EC) Ltd  
Glunz & Jensen  
Gold Fai Machinery  
Grafex Equipos Para Artes Graficas S.L.  
Hamamatsu Photonics  
Heidelberger Druckmaschinen AG  
Heraeus  
Highlight UV-Technology GmbH & Co. KG  
Honle UV  
IGT Testing Systems  
Innovative  
Oberflächentechnologien GmbH  
Integration Technology  
IST  
Jelight Company Inc  
Kirk-Rudy, Inc.  
Kompac Technologies  
Kühnast Strahlungstechnik GmbH  
Lamp Tech  
Lipi és társa Bt  
m print morlock gmbh co. kg  
Mark Andy  
Miltec UV  
Noritsu America Corporation  
OnLine Energy UV Systems  
Pagendarm BTT GmbH  
PCT Engineered Systems LLC  
Phidastien  
Phidastien International  
Phoseon Technology  
Primarc  
Prime UV Systems, Inc.  
Print Products  
PrintabLED  
PrintConcept UV-Systeme GmbH

Printing Technology Services, Inc.  
Printum UV  
ProPhotonix  
Quartz Lamps Inc  
Quartz Link Ltd  
R.C. Lamps S.n.c. / VTI  
Rotary Die Company Sp. z o.o.  
Runwing Co. Ltd  
Ruttiman Trade AG  
Shun Zhe (Shanghai) Mechanical & Electrical Technology Co Ltd  
Sign Tronic AG  
Southern Lamps Inc  
SPDI Inc  
Starna Industries Ltd.  
TCS Technologies  
Tec Lighting, Inc.  
Toc Maquinas Industriales SA  
De CV  
U.V. Reflection  
Ultralight AG  
Ushio  
UV Graphic Technologies Pvt. Ltd. (formerly GTI)  
UV Process Supply, Inc.  
UV Ray S.r.l  
uv-technik meyer gmbh  
Uviterno AG  
UVT  
XDS Holdings, Inc.  
XericWeb Drying Systems

### Used and rebuilt presses

A&M Kinzel Siebdruckmaschinen  
AAA Press International, Inc.  
Belfar Ltd  
Berkeley Machinery  
Carltek Industries (Taiwan) Corp.  
DG Press  
DRI-TEC UNLIMITED LLC  
Drilling Tech Services/POPPS  
DSE  
FlexoExport Ltd  
**Gallus Ferd. Rüesch AG**  
GB Flexo Equipment  
GIETZ AG  
Global Graphic Equipment Ltd  
Gonderflex International Inc.  
Graficon Maschinenbau AG  
Grafitec Web Ltd  
Graphic Innovators Inc/  
Lighthouse Consulting & Restoration Services  
GRAPHIMAT -  
LABELPACKMACHINE  
GraphixOne Corp.  
GSM Graphic Supplies & Machinery Ltd  
H.C. Miller Press  
Holtby Williams International  
J&J Converting Machinery  
J. Zimmer Maschinenbau GmbH  
KPG  
Label Industry Consultants (& Machinery) Ltd  
Labelform Graphics Ltd  
LPP Ltd  
LS-Int.com Ltd  
Mainplate Controls  
MAM - Machines & More  
Mark Andy  
Maschinen Frommer GmbH & Co. KG  
McKay  
OnLine Energy UV Systems  
Polygraphica Equipment Ltd

Quality Discount Press Parts & Equipment  
Reel To Reel International Ltd  
Reynders Label Printing  
Rhein Sleeve GmbH  
Roberts Graphics Ltd  
Ruttiman Trade AG  
STOMA GmbH  
Styers Equipment Company  
Thomson National Press Co

### VIP/thermal materials

3M Industrial Adhesives & Tapes  
Adesivos e Papéis Especiais RR Ltda.  
AERO, d.d.  
Afinia  
Aluminium Feron GmbH & Co. KG  
Appvion, Inc.  
**Arconvert**  
Arjobox/Polyart  
**ARMOR**  
Avatack Co Ltd  
Avery Dennison  
Baker Self Adhesive Materials  
Bella Kagit  
Bluhm  
Bostik SA  
Brady  
BTS Industries (S) Pte Ltd  
C.I ARclad S.A.  
Cham Paper Group  
Channeled Resources Group  
CleaningCard.com  
Colacril Self-Adhesive Materials  
Continental Datalabel  
Contract Converting, LLC  
Coveme S.p.A  
Dakota Integrated Services  
Data Label  
Diversified Tape & Graphics Inc  
DURICO C&T, INC  
Etiquetas Brasil Ltda  
Fangda Packaging Co., Ltd. (Hebei,China)  
Frimpeks A.S.  
Gilbreth  
Greenstik Limited  
Guangdong Guan hao High Tech Co Ltd  
Gulton Inc.  
H.S. Industries Co., Ltd  
Hanita  
Hansol Paper Co Ltd  
Herma GmbH  
Hollingsworth & Vose Company  
Huzhou Siny Label material Co., Ltd  
Idea Paper  
Innovia Films  
ITL Group  
Japan Pulp & Paper  
Jujo Thermal Ltd.  
Kanzaki Specialty Papers  
KANZAN Spezialpapiere GmbH  
KDS  
KICTeam  
KK Label Co., Ltd.  
KWH Plast Ltd  
Lecco Industries Ltd  
LECTA  
Lintec (Suzhou) Tech Corporation  
LINTEC Corporation  
Lintec  
Mactac  
Madico Inc



Manter  
 Mark Products Corp  
 Masterpiece Graphix  
 Matthias Paper Corporation  
 Mitsubishi HiTec Paper  
 MSM  
 NASTar Inc.  
 Nastrificio di Cassano SpA  
 National Paper Company  
 NuCoat Inc  
 Oracle Paper Group Inc  
 Papeteries du Pont de Claix  
 Perez Trading Company  
 Phoenix Packaging/Premier Cuts  
 Polyonics, Inc  
 Print On Labels  
 Print-O-Tape Inc  
 PURE Labels (Elevate Packaging, Inc)  
 Ribbon Ltda  
 Ricoh  
**Ritrama**  
 RK Siebdrucktechnik GmbH  
 Rolling Optics  
 S&K LABEL spol. s r.o.  
 SÆLIM CO., LTD.  
 SAScoat  
 SATO Seibert - PFV  
 Shanghai Jinda Plastic Co., Ltd.  
 Shenzhen Moma Technology Co., Ltd  
**Sihl GmbH**  
 SMI Coated Products  
 Smith & McLaurin Ltd  
 Spandex Group  
 Star Coating AG  
 Stic on Papers Pvt Ltd  
 Systems Print Media Ltd  
 Tech Folien Ltd  
 Technical Coating Intl  
 Technicote, Inc.  
 TODAYTEC Thermal Transfer  
 Ribbons  
 Tollgate Labels  
 Torras Papier GmbH  
 Torraspapel  
 Twin Rivers Paper Company  
 UCA  
**UPM Raflatac**  
 Verso Specialty Papers  
 Wabash Coated Papers  
 Weber  
 Yakasan A.S.  
 Yenom  
 YINHUA Printing Technology Co.,Ltd  
 Zhejiang Hengfeng Packing Co Ltd

### Waste management and handling systems

Airtrim, Inc.  
 Alltrade Recycling Equipment  
 Andantex USA Inc  
 Berkeley Machinery  
 Blower Application Company  
 C. A. Litzler Co., Inc.  
 CTM Systems Inc  
 Daven Industries  
 DSE  
 Fives North American  
 Gerhard Bartling GmbH Co KG  
 Grafikontrol North America  
 Impact Air Systems  
 International Surface Technologies

IRAC Srl  
 Kongskilde Industries A/S  
 KTI- A Quantum Design Company  
 LPP Ltd  
 Lundberg Tech A/S  
 Matho GmbH  
 Precision AirConvey Corp  
 QuadTech Inc.  
 SoftSolutions, Inc.  
 Trim Waste Management, LLC  
 Universal Print Partners  
 VAN ZALINGE Benelux B.V.  
 Weldon Celloplast Limited

### Web cleaning systems

A&M Kinzel Siebdruckmaschinen  
 ACE di Barbui Davide & Figli S.r.l  
 Advanced Machinery NV  
 Agfa Graphics  
 Ahlbrandt System GmbH  
 Archem S.R.L  
 Berkeley Machinery  
 Boussey Control Europe  
 Doyle Systems (formerly)JE Doyle Co.)  
 ECO Industry USA  
 Erhardt & Leimer  
 Euroto Limited  
 Fasnacht+Co AG  
 FCT Corporation  
 Fife Corporation  
 Flexo Wash LLC  
 Gardall Manufacturing Corporation  
 Greenstik Limited  
 Hurtletron Inc.  
 International Surface Technologies  
 IRAC Srl  
 Jemmco, LLC  
 KELVA  
 LPP Ltd  
 Meech  
 New Eurografica SRL  
 ORTHOTEC, WAN AN PRECISE MACHINERY WORKS CO., LTD.  
 PolymagTek Inc.  
 Proact Converting Equipment  
 SDI  
 Simco (Nederland) B.V.  
 Simco-Ion  
 Simco-Ion/Teknek  
 Solutions Graphiques  
 Spengler Electronic AG  
 Static Clean International  
 StopStatic.com division of Alpha  
 Innovation  
 Tantec Inc.  
 Teknek  
 Wandres  
 Weldon Celloplast Limited  
 Yieldmax Limited

### Web guiding and tension control

**Accraply**  
 AccuWeb, Inc.  
 ACE di Barbui Davide & Figli S.r.l  
 Advanced Machinery NV  
 Aghili Drucktechnik  
 Altec Vision Equipment  
 Andantex USA Inc  
 Berkeley Machinery  
**BST eltromat International**  
 Cleveland Motion Controls

Coast Controls, Inc.  
 Comptrol, Inc.  
 Contech  
 CTC International, Inc.  
 Datacon Technology  
 Dorey Converting Systems  
 Double E Company  
 Dover Flexo Electronics, Inc.  
 Erhardt & Leimer, Inc  
 Erhardt + Leimer GmbH  
 Fife Corporation  
 Fife-Tidland GmbH  
 Fives North American  
 FMS USA, Inc.  
 Focus Label Machinery  
 Hiflex GmbH  
 Innolutions, Inc  
 INOMETA GmbH  
 Kar Ming Industrial Supplies Co Ltd  
 Karl Menzel Maschinenfabrik  
 KROENERT  
 KTI- A Quantum Design Company  
 Mach III Clutch Inc  
 MAGPOWR  
 Mainplate Controls  
 Martin Automatic Inc  
 Maxcess  
 MBO America  
 Menzel Vision Systems  
 MEROBEL  
 MKS, Ion Industrial  
 Montalvo (Shanghai) Trading Co Ltd  
 Montalvo  
 NDC Infrared Engineering  
 NIRECO EUROPE / CALGRAPH  
 Onemach Industries CO.,PTE LTD  
 Pasquato SNC  
 Perfecto Web-Control Pvt Ltd  
 Quality Discount Press Parts & Equipment  
**Re S.p.a. Controlli Industriali**  
 Roll-2-Roll Technologies LLC  
 Selectra Srl  
 Solutions Graphiques  
 Stratis Roll Pallets  
 Tecscan Print Inspection Systems  
 Telstar Engineering Inc.  
 Tidland  
 Vacuumatic Ltd  
 Webex

### Wraparound films

Beijing Yongshengyunjia Wrapping Materials Co Ltd  
 BESEL  
 Flexpol Sp. z o.o  
 GARWARE POLYESTER LTD.  
 Globe-Tek Corporation  
 Interactive Coding Equipment (ICE)  
 Itochu Deutschland GmbH  
 Jindal Films Europe  
 Jurmet Sp. z.o.o. Sp.K.  
 Leonardus S.r.l - Italy  
 Manucor Spa  
 MAX SPECIALITY FILMS LIMITED (A Subsidiary of Max Ventures & Industries Limited)  
 Multi-Plastics, Inc.  
 OKI Europe Ltd  
 POLIBAK PLASTIK FILM SANAYI  
 VE TICARET A.S.  
 ROCHEUX INTERNATIONAL  
 Sustanium

Synthogra  
**Taghleef**  
 Taizhou Newtech Film Co Ltd  
 Tamerica Products, Inc.  
 TGW International Inc.  
 Treofan America, Inc.  
 Zhejiang Zhongjia Technology Co Ltd  
 Others,NO CATEGORY  
 EP Digital Sdn Bhd  
 Laserclean  
 Shanghai Aurora printing equipment Co.,Ltd

machines | punching tools | services

# DIE-CUTTING

by Berhalter Switzerland



aluminum lids | recessed lids | polyester lids | in-mold-labels | transparent labels | paper labels

## LABEL-light™

the flexible die-cutting solution

### high-tech on a low budget

- favourable tool costs
- short lead times
- flexible design
- cut & stack solution



now available for lids



approved for IML

# OKI



## A label says more than just your brand It gives your product an identity

Packed with the latest in OKI digital LED technology, the Pro Series Label Printers take creativity and flexibility to a new level. Help products stand out from the crowd with highly bespoke, eye-catching labels in four or uniquely five colours. With minimal set-up time and training, and a minimum volume of one label. The only limit is your imagination...

To find out more visit  
[www.oki.com/eu](http://www.oki.com/eu)



Making great ideas **STICK**

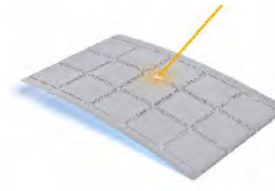


# THE **SMART** FUTURE OF ROTARY DIE-CUTTING

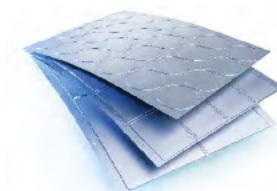
## MAXIMIZE YOUR DIE-CUTTING PERFORMANCE!



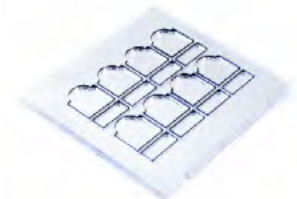
SuperCut flexible dies



Laser hardening



MCR MicroChrome



Steel-rule dies



Magnetic cylinders



PowerCut® rotary dies



Sheeter cylinders



Printing cylinders

### SmartGap®

#### ADJUSTABLE ANVIL SYSTEM

- ✓ **Perfect die-cutting results**  
Trouble-free converting of all materials, including very thin liners
- ✓ **Maximum efficiency**  
Cost savings through increased tool life, shorter changeover times and less waste
- ✓ **No limitations**  
Unique stability allows for flawless cutting-through and high web speeds

### SmartGap Touch

New version with digital control and many additional features for increased production efficiency. Learn more at [www.wink.de/smartgap](http://www.wink.de/smartgap)



**wink®**  
You cut, we care.

**wink®**  
You cut, we care.

Wink Stanzwerkzeuge | Neuenhaus, Germany  
Wink US, LLC | Charlotte (NC), USA  
Wink Danmark A/S | Kastrup, Denmark  
Wink South Europe S.r.l. | Gallarate (VA), Italy

    
FOLLOW @WINKTOOLS

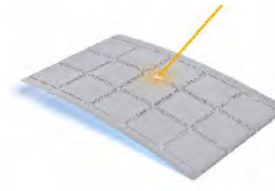


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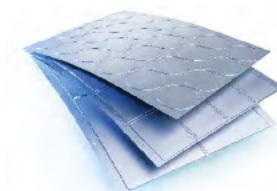
## MAXIMIZE YOUR DIE-CUTTING PERFORMANCE!



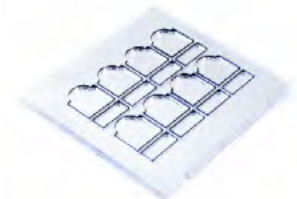
SuperCut flexible dies



Laser hardening



MCR MicroChrome



Steel-rule dies



Magnetic cylinders



PowerCut® rotary dies



Sheeter cylinders



Printing cylinders

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**wink®**  
You cut, we care.

**wink®**  
You cut, we care.

Wink Stanzwerkzeuge | Neuenhaus, Germany  
Wink US, LLC | Charlotte (NC), USA  
Wink Danmark A/S | Kastrup, Denmark  
Wink South Europe S.r.l. | Gallarate (VA), Italy

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# SIMPLY SMART.

The Wink SmartGap® maximizes your die-cutting efficiency and outperforms other adjustable anvil systems.

Based on the well-established SmartGap® *Classic* version, the new *Touch* edition with digital control sets a new benchmark in terms of precision, handling and efficiency.

Get in touch with us to become ready for the future of rotary die-cutting!

[www.wink.de/smartgap](http://www.wink.de/smartgap)



## SmartGap®

ADJUSTABLE ANVIL SYSTEM

- ✓ easy gap adjustment with maximum precision
- ✓ optimum die-cutting results on any material
- ✓ trouble-free processing of ultra-thin liners
- ✓ increased tool life and overall efficiency
- ✓ very stable and low-maintenance system
- ✓ well-suited for cutting-through and high web speeds

**wink®**  
You cut, we care.



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