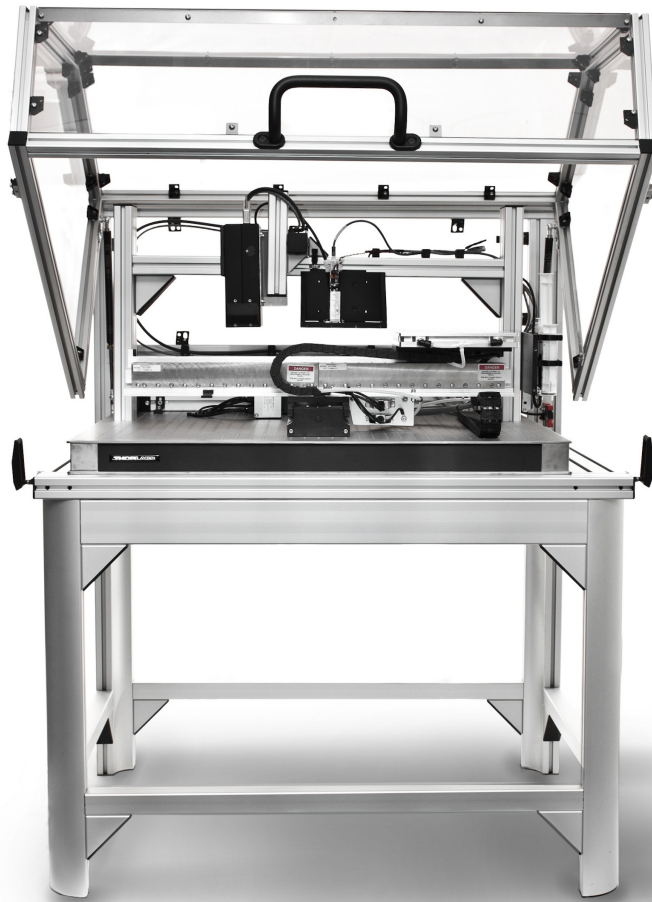




Industrial Inkjet Ltd

Making inkjet work



(Shown with
optional stand)

Industrial Inkjet XYPrint 100

XYPrint 100 is a complete, high accuracy inkjet system designed for a wide range of materials deposition applications. It is also well suited for laboratory use and small-scale or pilot-line manufacturing. XYPrint 100 uses Konica Minolta inkjet printheads for highest accuracy, repeatability and reliability.

Support and Training

Full on-site installation, training and tech support.

IJ offers courses in optimisation of inks and fluids for use in Konica Minolta printheads and has technical staff in Europe, USA, South America and China.

Options

Full variable image software (print a sequence of files defined in a database).

Includes barcode library, serial numbering, date code.

Remote control of the system via TCP/IP protocol.

Heated vacuum platen (reduces max height of product being printed).

Alignment camera.

UV lamp.

Reduced accuracy slides (at small cost saving).

Stand (shown above).

IJ is prepared to produce custom systems. Please contact us for details.

XYPrint 100



Specifications

XY System	<ul style="list-style-type: none">● Fixed printheads, material scans under printer in 2 axes● Absolute accuracy of motion +/- 3 micron● Repeatability of motion +/- 1 micron● Scan speed up to 1.5 m /sec (60" /sec). 0.5m /sec recommended● A4 size vacuum chuck (total stage movement: 500 x 300mm)● Print area (full coverage, 4 heads) 297 x 210mm (11.69 x 8.27")● Print area (single nozzle) 261 x 210mm (10.27 x 8.27")● Vacuum pump for vacuum chuck included
Z Axis	<ul style="list-style-type: none">● Manual Z axis: 50mm range (2")● Cross beam is further adjustable (screwdriver) by 40mm● Max material thickness: 90mm (3.5")
Printheads	<ul style="list-style-type: none">● XYPrint 100 supplied fitted with up to 4 x KM512X chassis printheads● Sub-drop sizes available:<ul style="list-style-type: none">● KM512L = 42pl● KM512M = 14pl● KM512S = 4pl● Print width (per pass) 36mm● Printhead versions available for water-based, solvent, oil or UV cured inks● Special versions available for strong solvents, acids or alkalis
Software Features	<ul style="list-style-type: none">● Integrated inkjet and motion control (1 click to print)● Full access to inkjet head parameters (waveform, voltage, fire frequency)● Full access to print resolution parameters. Automatic handling of multi-pass print● Accepts TIFF, Jpeg, BMP, PDF image files● Accepts ICC profiles. Manual edit of colour linearisation.
Ink Supply	<ul style="list-style-type: none">● Direct feed from 4 x 150ml syringe (1 per printhead)● All ink tubing FEP for excellent material compatibility● Ink pressure set by syringe height
Cover	<ul style="list-style-type: none">● Cover prevents dust ingress.● Cover materials are designed to attenuate UV light
Capping System	<ul style="list-style-type: none">● Airtight cap for volatile inks included.● Cap fits to vacuum chuck.● Printheads lowered onto cap using manual Z axis.
Dimensions	<ul style="list-style-type: none">● 41.3" width x 37.5" depth x 26.5" height (cover closed, without optional legs)● 1050mm width x 953mm depth x 673mm height (cover closed, without optional legs)
Power Requirements	<ul style="list-style-type: none">● Single phase. 115V /60Hz or 220V /50Hz● Motion system: 550W approx.● Printhead drive: 18W normal operation, 140W peak on startup● PC: 350W