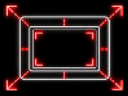




DIRECT IMAGING SYSTEM

MIVA 3000L DI

MODULAR DIRECT
IMAGING FOR LARGE
& SPECIAL FORMATS



XXL IMAGE AREA
Up to 42" × 60".



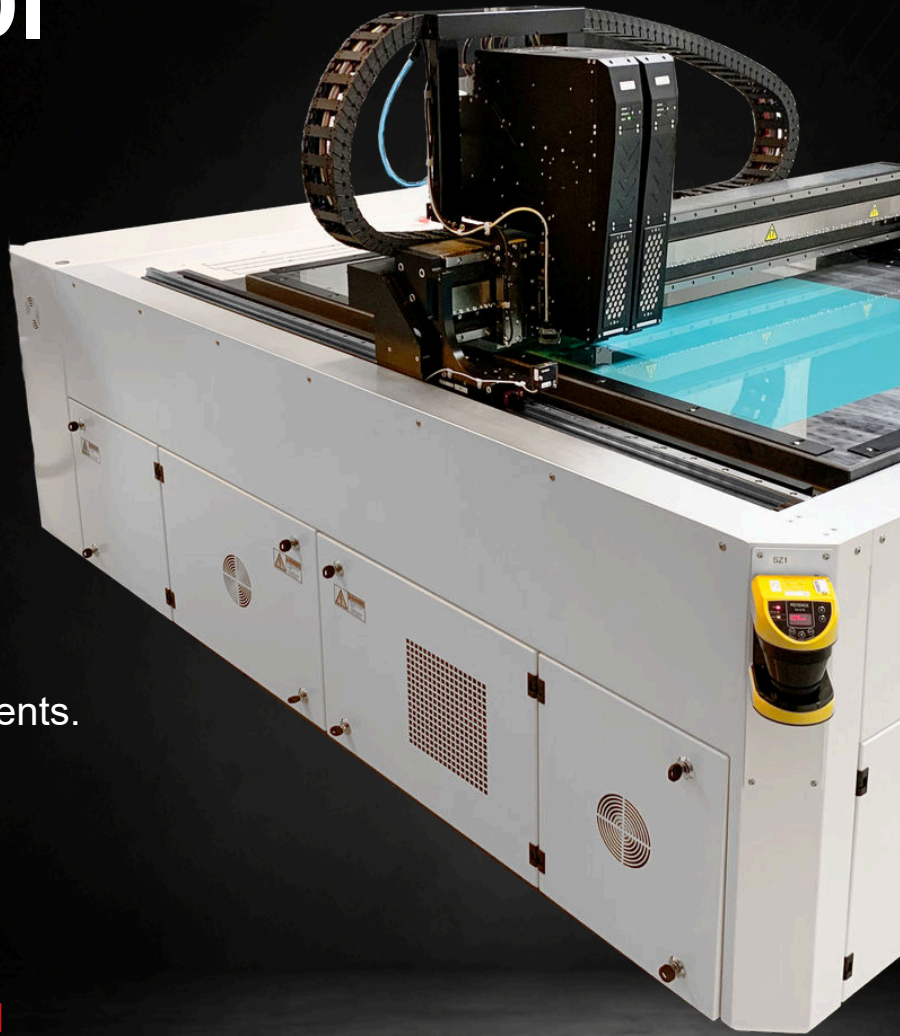
MODULAR PLATFORM
Built for custom requirements.



HIGH PRODUCTIVITY
Up to 3 photoheads.



FLEXIBLE AUTOMATION
Reel-to-reel compatible.



**MIVA
meets
your needs.**

MIVA direct imaging systems combine precision, reliability and innovation to meet the most demanding requirements in microfabrication.

MIVA 3000L DI

NEXT GENERATION DIRECT IMAGING SERIES



TECHNICAL DATA

Machine positional accuracy @21°C	Positioning resolution 0.1 nm
Physical size	H: 69"/175cm, W: 52"/132cm, D: 100"/254cm
Power requirements	400–480 VAC, 50/60 Hz, 5.5 kW (900 W when idle)
Compressed air	Integrated gas filtering system for 120 L/min @ 6 bar (air compressor optional)
Technology	DMD Raster Image Projection Technology / Solid state UV light sources
Environment	Dependent on resist/emulsion sensitivity, yellow/red safe light conditions recommended for loading panels or other media
Recom. temp./humidity	21°C, 50% RH
Media	Resist coated panels, UV films, solder mask, orthochromatic phototooling films or masks up to 20 mm thick
User dialogue	Intuitive surface for operation by keyboard or remote control.
Communications	Local area network, removable media
Protocol emulations	Gerber RS 274-X, PostScript, TIFF (+ on request)
User interface	xDI Multihead control program (Windows compat)
Max. image size	30"×60" (762×1524) or 42"×60" (1067×1524mm)
Media sizes from	2" × 2" (50 × 50 mm)
Panel registration	Inbuilt coaxial registration camera

PERFORMANCE

Application	15 µm	30 µm
	1LE / 2LE / 3LE	1LE / 2LE / 3LE
Inner Layer	22 / 34 / 46	34 / 50 / 63
Outer Layer	20 / 31 / 42	23 / 39 / 50
Soldermask	9 / 15 / 21	10 / 17 / 23

Note 1: All values in panels/hour.

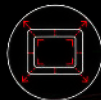
Note 2: All values include imaging both sides and assume a total load/unload time of 8 sec, based on a panel size of 18" × 24" (457 × 610 mm).

Note 3: All values assume high speed resist types; other resists available upon request.



DART YIELD IMPROVEMENT

Advanced registration and scaling for improved process accuracy + yield.



XXL IMAGE AREA

Image sizes up to 42" × 60" for large and special-format applications.



COAXIAL REGISTRATION

High-resolution scaling with integrated coaxial camera technology.



BESPOKE CONFIGURATION

Custom-built configurations available on request.



meets your needs

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FIND YOUR LOCAL
MIVA REPRESENTATIVE

