



**DART Yield
Improvement Tool**



**LED Laser LE
Selectable**



**305mm x 407mm
Imaging Area**



**Dual Resolution
Selectable**

APPLICATION	Wavelength Specific LED			Wavelength Specific Laser		
	Imaging Speed (mm ² /s)	Imaging Time for 100x100mm (min)	Imaging Time for 300x300mm (min)	Imaging Speed (mm ² /s)	Imaging Time for 100x100mm (min)	Imaging Time for 300x300mm (min)
1,5μ				10.4	16	144
2μ	5.2	32	288	N/A	N/A	N/A
3μ	11.7	14.2	128	23.4	7.1	64
6μ	46.9	3.5	32	93.8	1.8	16
12μ/3μ twin	375	0.5	4			

- Throughput assumes 0.5 micron AZ1518 resist
- 10 micron quad assumes 15 micron high speed resist

Machine positional accuracy @21°C	Positioning resolution 20 nm
	Linearity over 100 mm: 0.4 μm
	Registration: (3σ): 2,5 μm
Physical size:	H: 71" / 180 cm, B: 48" / 122 cm, T: 60" / 153 cm; Weight: 650 kg
Power requirement:	220-240 VAC, 50/60 Hz, 3.5 kW (550 W when idle!)
Compressed air:	Integrated gas filtering system for 60 L/min @ 8 bar or air compressor optional
Technology:	DMD Raster Image Projection Technology / Solid state UV light sources
Environment:	Dependent on resist/emulsion sensitivity – yellow or red safe light conditions recommended for loading panels or other media
Recommended temperature/humidity:	21°C 50% RH
Media:	Resist coated masks or panels up to 12mm thick, UV sensitive films.
User dialogue:	Simple instructions for programming and operation by keyboard or remote control
Communications:	Local area network, Removable media.
Protocol emulations:	Gerber RS 274-X, PostScript, TIFF, others on request
User interface:	xDI Multihead control program (Windows compatible)

MIVA 1200MW

Mask Writer

Next Generation Series

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Direct Imaging Systems

MADE IN GERMANY

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