

INTERNATIONAL DIRECTORY OF STENCIL PRINTING EQUIPMENT MANUFACTURERS

Company Name Address ☎ Phone ☒ Fax 🏠 Year Founded ★ Management	Model ☒ Introduced Ⓐ Level of Automation: SS=Standalone, semiautomatic, SA=Standalone automatic, SM=Standalone manual Ⓢ Turnkey Processes Available	Water Diameter Range, mm	Water Thickness Range, µm	Minimum Pad Pitch, µm	Min./Max. Pad Size, µm	Water Throughput Max.	<ul style="list-style-type: none"> Ⓕ Fiducial Aligning Method (FAM) Ⓖ Fiducial Learning/Teaching Method Ⓡ Alignment Repeatability (µm@six sigma) 	PRINT PARAMETERS										[web site] ✳ Technical Contact ☎ Phone		
								Printhead Type	Print Stroke Type	Squeegee Rise Delay	Squeegee Types	Print Speed (mm/sec)	Snap Off Adj. (Z-axis mm)	Snap Off Speed (mm/sec)	Printer Pressure (N)	Automated Stencil Cleaning	Size (WxDH, mm)		Vision System	Field of View (mm)
Affiliated Manufacturers, Inc. 3087 U.S. Highway 22 P.O. Box 5049 North Branch, NJ 08876 🏠 1957	Model MSP-9156PC ☒ 1993 (Updated yearly) Ⓐ SS, SA Ⓢ Turnkey processes capable	200mm, 300mm, custom sizes	100+ µm	100µm	50-5,000+ µm	8 seconds without print stroke time	<ul style="list-style-type: none"> Ⓕ Correlation, boundary tracking or combination Ⓖ Light pen interface, point and click Ⓡ 12.7µm@6Σ 	SLP-1 self-leveling, servo controlled dual squeegee	Multiple	Programmable	Plated stainless steel, adjustable angle	381mm/sec	19mm	20mm/sec	200 N	Under stencil wipe	1473.2 x 1295.4 x 1524mm	Not supplied	6.35mm ² and smaller	[ami-presco.com] ✳ Paul Hary, Sales Manager phary@ami-presco.com ☎ 908.722.7100 x243
DEK Printing Machines Ltd. 11 Albany Road Granby Industrial Estate, Weymouth, Dorset, England DT4 9TH ☎ +44.1305.760760 ☒ +44.1305.760123 ★ John Knowles, Chairman	Infinity ☒ 1996 Ⓐ SS, SA Ⓢ Turnkey processes capable	50 to 300mm	150µm and greater	100µm	Contact manufacturer	60/hour	<ul style="list-style-type: none"> Ⓕ Telecentric split optic camera system Ⓖ Automatic greyscale pattern recognition Ⓡ Stencil-to-substrate repeatability 2.0 Cpk@25µm 	ProFlow or squeegees	ProFlow/Print-Print/Print-Flood/Adhesive	Programmable	Polyurethane/Metal	Programmable 2-150mm/sec	0-3mm	Programmable 0.1-20mm/sec	0-20Kg (closed loop feedback)	Programmable dry/wet/vacuum cycles	1314 x 1598 x 1576mm	2D	Contact manufacturer	[dek.com] ✳ Rich Heimsch rheimsch@dek.com ☎ +44.1305.760760
EKRA HQ: EKRA GmbH Zeppelinstrasse 16 D-74357 Bonningheim, Germany 🏠 1947 ★ Roland Heynen, Executive VP	X5 W300 ☒ 2000 Ⓐ SS, SA Ⓢ Turnkey processes capable	200mm, 300mm, custom sizes	200-800µm	200µm	50µm	Process dependent, typical 80-150/h	<ul style="list-style-type: none"> Ⓕ Auto Vision Ⓖ Menu driven with pixel map correlation Ⓡ ±10µm@6Σ 	Dual closed-loop, pressure controlled	Single or multiple	Programmable	Metal and poly trailing edge	5-199mm/sec	0-3mm	0.2-10mm/sec	0-240 N	Vacuum with solvent	1105 x 1500 x 1400mm	2 1/2D post print inspection	10 x 8mm	[ekra.com] ✳ Steven Hall, General Manager, EKRA America ☎ 508.486.9566
Milara Inc. 71 West Street Medfield, MA 02052 🏠 2001 ★ Stephen K. Brodeur, Director	TouchPrint TP2929 (PCB)/TPW-1 (Wafer) ☒ 2002 Ⓐ SA Ⓢ Complete turnkey processes available	150 to 300mm	Average 508µm	254µm	25.4/152.4µm	180 waters/hour	<ul style="list-style-type: none"> Ⓕ Wafer/board to stencil Ⓖ Stencil aperture target/edge detection NGC/vector correlation using digital progressive scan technology Ⓡ 12.7µm@6Σ 	Pressure or servo current force loop	Dual loop servo controlled	Programmable	Patented vibration technology*	2.54 to 254mm/sec	2.54mm programmable	2.54µm to 12.7mm/sec	0.44 to 355 N	Patented vibration ultrasonic technology	1600 x 1397 x 1422mm	Digital progressive scan w/2D post print	0 x 10mm	[milarasmt.com] ✳ Stephen K. Brodeur, Director steveb@milarasmt.com ☎ 508.359.2786 *Flip-chip certified
Speedline Technologies, Cookson Electronics Equipment (formerly MPM Corp.) 16 Forge Park Franklin, MA 02038 🏠 1968	MPM Wafer Print System ☒ 1994 Ⓐ SS, SA, SM Ⓢ Turnkey processes not available	200 & 300mm, custom 100-150mm	304.8 to 760.0µm	150µm	80µm	50 waters/hour	<ul style="list-style-type: none"> Ⓕ Auto-vision or manual Ⓖ Manual with automatic offsets Ⓡ ±10µm@6Σ 	Dual blades, center pivoting	Multiple	Programmable	Metal or polyurethane	2.50 to 305.0mm/sec	7.6mm	Adjustable 0-7.6mm/sec	224 N	Dry or wet vacuum, programmable	1829 x 1422 x 1321mm	Consult manufacturer	0.7x mag.: Up to 9.5 x 6.7mm* *6x magnification: down to 1.6 x 1.2mm	[cooksonelectronics.com] ✳ Joe Battaglia, Product Manager ☎ 508.541.6412