

ATMA **OE** MF44

Automatic CCD Registering Screen Printer



Printing on flexible and rigid substrates.
Manual material loading, CCD-camera registering and auto-alignment,
micro-precision printing, manual material off-loading.
Unrivalled precision for high-tech industrial quality applications.



SILVER NATIONAL
AWARD
OF EXCELLENCE



SYMBOL OF
TAIWAN
EXCELLENCE



NATIONAL
INNOVATION
RESEARCH AWARD



NATIONAL
AWARD
OF SME



NATIONAL
QUALITY
AWARD



ISO 9001
ISO 14001
CERTIFIED



NATIONAL
LITTLE GIANT
AWARD



CE
CERTIFIED

specification

FEATURES

- CCD camera registering system, combined with servo driven material adjustment, alignment alternatively to substrate center or defined target mark.
- 2-high resolution CCD cameras for optical position capturing, supported by external light sources, 15" color monitor for visualization / monitoring of the alignment process.
- Servo-motorized auto-alignment of the printing base carrier to final register position (X-Y-θ)
- Hardened aluminum alloyed printing base with vacuum table top for positive material hold-down, adjustable blast-air.
- Printing head with servo-driven squeegee / flood coater assembly, digital pressure setting, separate and continual electronic pressure control for squeegee and flood coater.
- Servo-driven screen peel-off with continual, perfect synchronization along printing path.
- Screen frame holder with lay stops, pneumatic screen clamping and position security.
- Colored touch-screen HMI with save and retrieve function for 100 parameter menus.
- Failure diagnosis and data log system with error analysis and report functions.
- Optional : Enclosure with connecting for venting.
- Optional : In-line contact sheet cleaning device with integrated anti-static eliminator.

TECHNICAL SPECIFICATION

	ATMAOE MF44	
Printing area max. (WxD)	400 x 400 mm	(15 ¾" x 15 ¾")
Printing area min. (WxD)	120 x 120 mm	(4 ¾ x 4 ¾")
Screen frame size max. (WxD)	850 x 750 mm	(33 ½" x 29 ½")
Screen frame size min. (WxD)	700 x 650 mm	(27 ½" x 25 ⅝")
Substrate thickness range (flexible version)	0.05 ~ 1.0 mm	(0.001" - 0.039")
Printing base vacuum hole diameter	1.0 mm	(0.039")
Printing base height above floor	950 + 50 mm	(37 ⅝" + 2")
Cycle speed (throughput) max. (max. size, full stroke, full speed)	600 iph	
Integrated system accuracy	0.10 mm	(0.0039")
Electric power supply	3 - phase, 220 / 380V, 50/60Hz	
Compressed air source	5 ~ 7 kg/cm ²	(80-100 PSI)
Machine dimensions approx.. (WxDxH)	2040 x 1400 x 1860 mm	(80 ¼" x 55 ⅞" x 73 ¼")
Net weight approx..	800 kg	(1,764 lbs)

Maximum operator comfort and process stability: color touch-screen HMI with save and retrieve function for 100 job parameter menus. Failure diagnosis and data log.

All specifications given in this brochure are subject to possible alteration.

