

ATMAGP 30PP / 50PP

CCD Center Registering Screen Printer



Printing on tablet glass panes and related flat glass substrates - with automatic **center registering** for high precision industrial employment.



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

FEATURES

- Fast and accurate vertical screen carrier movement: height positioning repeating accuracy +/- 50 µm
- 4 high-resolution CCD cameras for substrate detection, combined with external coaxial white light
- Precision printing table, hardened Aluminum alloy, with strong vacuum for positive material hold-down
- Servo-motorized automatic table alignment to perfect register position, controlled by optical detection of the substrate displacement: repeatability +/- 2.5µm; target capture & adjustment in less than 1.5 s
- Automatic substrate take-off: suction cup carrier on slide rail for mark- and scratch-free material transport; high productivity by substrate loading during automatic delivery of the printed pane

TECHNICAL SPECIFICATION

	ATMAGP 30PP	ATMAGP 50PP
Printing table size (mm)	380 x 460	430 x 650
Printing area max (mm)	200 x 300	300 x 400
Printing area min (mm)	110 x 160	100 x 160
Screen frame size max (mm)	500 x 700	700 x 900
Screen frame size min (mm)	350 x 600	600 x 650
Screen frame profile height (mm)	20 - 40	20 - 40
Substrate thickness (mm) / weight (kg)	0.3 -2.0 / 0.3	0.3 -20 / 0.61
Working table height (mm)	1005 +/-25	1005 +/- 25
Cycle speed (throughput) max (non-stop / full stroke at full speed)	480iph	420iph
CCD camera capturing area max (mm)	200 x 300	300 mm x 400
CCD camera capturing area min (mm)	110 x 160	100 mm x 160
Image registering accuracy (µm)	target ± 5 centered ± 20	target ± 5 centered ± 20
Integrated accuracy (µm)	target ± 1 centered ± 30	target ± 1 centered ± 30
Power supply	3 x 230 / 400 V – 50 / 60 Hz	
Power connection (kW)	1.5	1.85
Compressed air connection (bar/min)	5 – 7 / 13 l	5 – 7 / 16 l
Machine dimensions (WxDxH, mm)	1600 x 1360 x 1600	1870 x 1670 x 1660
Net weight (kg)	470	612

Maximum operator comfort and process stability: 5.7” color touch screen HMI with save and retrieve function for parameter setups. Failure-diagnosis system with error messages.

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



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