

ATMAOE SERIES

► **ATMAOE 56/67/710**

ALL NEW

HIGH PRECISION SCREEN PRINTER FOR OPTO-ELECTRONICS



Patent on-hold,
infringement subject to legal pursue

► **APPLICATION**

For high precision screen-printing on substrates in flat film/sheet/thin board form.

Ex: EL Films/Panels, LGP Panels, BEF Films, Touch Panels, Membrane Switches, Flexible Printed Circuits, etc..

Gripper take-off type accepts thin & light-weighted flexible materials only.

FEATURES

● Innovative Design

Latest G7 version four-post sliding table models, equipped with all new high rigidity structure, print head, 4-post locking, servo drives & precision guidance/ positioning systems, runs stably & quietly, durable against heavy pressure, provides accurate printed ink deposit thickness.

● Fast Setup

With various adjustments & setting memory/recall functions, minimized setup time & upgrades capacity.

● Easy to Operate

Color touch panel featuring various functions & parameter settings for easy operation, print pressure digitally settable & equalized, assures best printing quality, meets requirements on job standardization & user-friendliness.

● Safety

Sufficient with emergency-stop buttons, safety bars, error-diagnose & safe restoration systems.

● Options

CCD Surveillance System for screen registration, CCD Surveillance System for substrate registration, Gripper Take-off System with Up/down Conveyor, Anti-drip System, Ink Residue Scrape-off System, Registration Pins, Cleaning Roller System, Static Eliminator, etc..

CHANGE MAY BE MADE WITHOUT PRIOR NOTICE

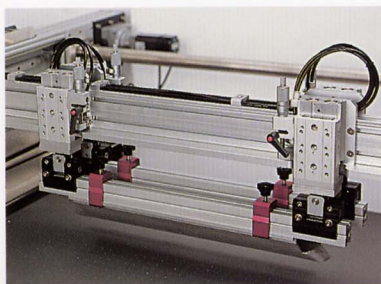
HIGH PRECISION SCREEN PRINTER FOR OPTO-ELECTRONICS

Model (Max. Print Area, mm in.)

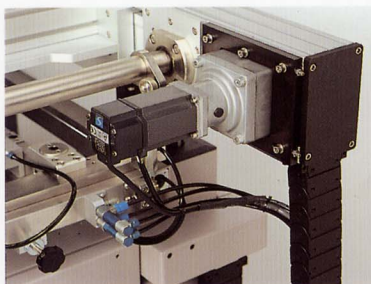
ATMAOE 56 (510x610 20x24)

ATMAOE 67 (610x750 24 x 29½)

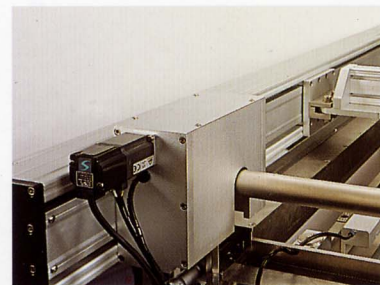
ATMAOE 710 (750x1050 29½ x 41¼)



Print Head



Servo Printing



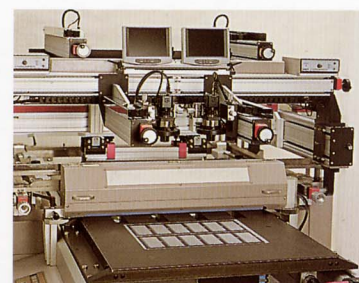
Servo Peel-off



Touch Panel



Gripper Take-off



Cleaning Roller &
CCD Surveillance Systems (optional)

SPECIFICATION

(metric scale as standard, inch scale as rough conversion)

	ATMAOE 56		ATMAOE 67		ATMAOE 710	
Table size (DxW, mm in.),	680x700	26 ³ / ₄ x27 ¹ / ₂	800x800	31 ¹ / ₂ x31 ¹ / ₂	950x1250	37 ³ / ₈ x49 ¹ / ₄
Table height(mm in.)	970+30	38 ¹ / ₈ x1 ¹ / ₈	970+30	38 ¹ / ₈ x1 ¹ / ₈	970+30	38 ¹ / ₈ x1 ¹ / ₈
Vacuum area (DxW, mm in.)	500x600	19 ⁵ / ₈ +23 ⁵ / ₈	600x740	19 ⁵ / ₈ x29 ¹ / ₈	760x1060	29 ⁷ / ₈ x41 ⁵ / ₈
Max. print area (DxW, mm in.)	510x610	20x24	610x750	24x29 ¹ / ₂	750x1050	24x29 ¹ / ₂
Min. print area (DxW, mm in.)	250x250	9 ³ / ₄ x9 ³ / ₄	300x300	11 ³ / ₄ x11 ³ / ₄	300x300	11 ³ / ₄ x11 ³ / ₄
Table speed(mm in./sec.)	1000	40	1000	40	1000	40
Screen X/Y adjustment(mm in.)	±10/±10	± ³ / ₈ /± ³ / ₈	±10/±10	± ³ / ₈ /± ³ / ₈	±10/±10	± ³ / ₈ /± ³ / ₈
Substrate thickness(mm mil~in.)	0.1~30	3.9~1 ¹ / ₈ "	0.1~30	3.9~1 ¹ / ₈ "	0.1~30	3.9~1 ¹ / ₈ "
Max. O/D frame size(DxW, mm in.)	900x900	35 ³ / ₈ x35 ³ / ₈	1000x1000	39 ³ / ₈ x39 ³ / ₈	1200x1400	47 ¹ / ₂ x55 ¹ / ₈
Min. O/D frame size(DxW, mm in.)	800x800	31 ¹ / ₂ x31 ¹ / ₂	900x900	35 ³ / ₈ x35 ³ / ₈	900x900	35 ³ / ₈ x35 ³ / ₈
Frame height(mm in.)	25-38	1~1 ¹ / ₂	25-38	1~1 ¹ / ₂	25-38	1~1 ¹ / ₂
Screen height at Clean-up Lift-up level(mm in.)	285	11 ¹ / ₄	350	13 ³ / ₄	350	13 ³ / ₄
Peel-off stroke(mm in., digitally set)	0~20	0~ ³ / ₄	0~25	0~1	0~30	0~1 ¹ / ₈
Print pressure(kg lbs, digitally set)	3~60	6.6~132	3~60	6.6~132	3~60	6.6~132
Squeegee inclination angle(°)	20±15		20±15		20±15	
Print head speed(mm in./sec., digitally set)	20~500	³ / ₄ ~19 ⁵ / ₈	20~500	³ / ₄ ~19 ⁵ / ₈	25~600	1~23 ⁵ / ₈
Printing head skew-angle(°)	±5		±5		±3	
Max. capacity(P/H. full stroke)	480		420		420	
Power source	3-phase, 220V/380V, 50/60Hz					
Power consumption(kw)	3.7		3.7		3.5	
Air pressure(kg/cm ² PSI)	5~7	71~100	5~7	71~100	5~7	71~100
Air consumption(l Gl/cycle)	5.0	1.38	5.0	1.38	5.3	1.47
Dimension (WxDxH, cm in.)	150x210x145	59x83x57	156x240x145	62x95x57	200x270x145	79x106x57
Weight (kg lbs)	1050	2310	1200	2640	1400	3080



SILVER NATIONAL
AWARD OF EXCELLENCE
WINNER



NATIONAL
INNOVATION
RESEARCH AWARD



SYMBOL OF EXCELLENCE
WINNER



NATIONAL AWARD OF SME
(Small and Medium Enterprises)



CE CERTIFIED



ISO 9001 ISO14001
CERTIFIED



NATIONAL
LITTLE GIANT AWARD
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ATMA CHAMP ENT. CORP.

65, Wuchuen 7th Rd., Wuku Ind. Zone, Wuku, Taipei, Taiwan 248

TEL : +886-2-22991293 E-MAIL : atma@atma.com.tw

FAX : +886-2-22991291 WEB : http://www.atma.com.tw

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