

GP series



ATMAGP - 1/2-automatic machine - manual material loading and off-loading

Model	Max. Material Size	Material Thickness	Output
25PP	110*160 / 4.3* 6.3	0.30 - 2.00 / 12 - 80	550
20PPS	115*165 / 4.5* 6.5	0.30 - 2.00 / 12 - 80	550

[mm*mm / in*in] [mm / mil] [PPH]

- target accuracy: $\pm 5 \mu\text{m}$ ($\pm 0.2 \text{ mil}$)
- centering accuracy: $\pm 20 \mu\text{m}$ ($\pm 0.8 \text{ mil}$)



ATMAGP - 3/4-automatic machine - manual loading, vacuum shuttle unloading

Model	Max. Material Size	Material Thickness	Output
30PP	200*300 / 7.9*11.8	0.30 - 2.00 / 12 - 80	480
50PP	300*400 / 11.8*15.8	0.30 - 2.00 / 12 - 80	420

[mm*mm / in*in] [mm / mil] [PPH]

- target accuracy: $\pm 5 \mu\text{m}$ ($\pm 0.2 \text{ mil}$)
- centering accuracy: $\pm 20 \mu\text{m}$ ($\pm 0.8 \text{ mil}$)



PAD series

mechanical substrate alignment to position



ATMATIC PAD - fully-automatic machine - material handling by vacuum shuttle carrier

Model	Max. Material Size	Material Thickness	Output
45PAD/T	150*200 / 5.9* 7.9	0.50 - 1.10 / 20 - 43	900

[mm*mm / in*in] [mm / mil] [PPH]

- substrate feeding from collector tray, printing and re-feeding
- rotary index table for optimum cycle efficiency : simultaneous loading, printing and off-loading
- total system accuracy: $\pm 10 \mu\text{m}$ ($\pm 0.4 \text{ mil}$)

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



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High-Precision Screen Printing Machinery

CCD-Camera-Registering and Auto-Alignment



High-performance equipment for printing of functional inks on flexible and rigid substrates - for autonomous registering. Machine range in modular design for a wide range of industrial applications - covering printed electronics, health care products, touch panels and many more - made by the global market leader.

- Up to 400 machine units manufactured and delivered every month
- More than 10 000 machines supplied for the world's big smart phone brands
- Award-winning perfection and innovation: SGIA Product of the Year 2015.

MF series CCD-camera-registration and auto-alignment



ATMAOE MF - semi-automatic machine - manual material loading & off-loading

Model	Max. Material Size	Material Thickness	Output
MF44	400*400 / 15.8*15.8	0.05 - 1.00 / 2 - 40	570
MF66	610*610 / 24*24	0.30 - 6.00 / 12 - 240	450
MF6565	650*650 / 25.6*25.6	0.30 - 2.00 / 12 - 80	420
MF88	800*800 / 31.5*31.5	0.30 - 6.00 / 12 - 240	400
	[mm*mm / in*in]	[mm / mil]	[PPH]

- total system accuracy: $\pm 10 \mu\text{m}$ / $\pm 0.4 \text{ mil}$

ATMATIC MF - fully-automatic machine - material handling by vacuum shuttle carrier

Model	Max. Material Size	Material Thickness	Output
MF6565	650*650 / 25.6*25.6	0.40 - 3.20 / 16 - 126	300
	[mm*mm / in*in]	[mm / mil]	[PPH]

- total system accuracy: $\pm 10 \mu\text{m}$ / $\pm 0.4 \text{ mil}$



substrate loading from conveyor and unloading by adjustable suction cups

ATMATIC MF/F - fully-automatic machine - handling thin film with / without interlay by vacuum shuttle carrier

Model	Max. Material Size	Material Thickness	Output
MF66/F	500*500 / 19.7*19.7	0.10 - 1.00 / 4 - 40	300
MF66/FI	500*500 / 19.7*19.7	0.05 - 0.50 / 2 - 20	300
	[mm*mm / in*in]	[mm / mil]	[PPH]

- total system accuracy: $\pm 10 \mu\text{m}$ / $\pm 0.4 \text{ mil}$



handling and printing of thin film substrates: feeding from pile and unloading by adjustable suction cups

ATMATIC MF/H - fully-automatic machine - fork carrier shuttle for part handling

Model	Max. Material Size	Material Thickness	Output
MF55/H	500*500 / 19.7*19.7	0.30 - 2.00 / 12 - 80	360
MF6565/H	650*650 / 25.6*25.6	0.30 - 2.50 / 12 - 100	280
MF88/H	800*800 / 31.5*31.5	0.30 - 2.50 / 12 - 100	240
	[mm*mm / in*in]	[mm / mil]	[PPH]

- total system accuracy: $\pm 10 \mu\text{m}$ / $\pm 0.4 \text{ mil}$



handling and printing of rigid substrates: sequenced movement from infeed to delivery by fork carrier shuttle assembly



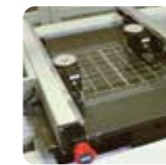
IG series screen printing on flat glass substrates



ATMATIC IG - fully-automatic machine - fork carrier shuttle for glass panel handling

Model	Max. Material Size	Material Thickness	Output
IG56/C	650*650 / 25.6*25.6	0.50 - 3.00 / 20 - 120	320
IG68/C	650*800 / 25.6*31.5	0.30 - 2.00 / 12 - 80	260
IG810/C	730*920 / 28.7*36.2	0.30 - 1.10 / 12 - 43	200
IG1515/C	1300*1500 / 51 * 59	0.40 - 1.10 / 16 - 43	180
	[mm*mm / in*in]	[mm / mil]	[PPH]

- total system accuracy: $\pm 10 \mu\text{m}$ / $\pm 0.4 \text{ mil}$



fork assembly to carry the substrates - simultaneous auto-alignment of substrate and screen

Roll-to-Roll screen printing on foils / films



Optional Inspection Section, Stand-still Section and Dryer



EPC guide web rolling alignment
Air shaft to hold firmly the material roll
Servo motor with load-cell to control web tension

Note :
RR2550/C & RR3250/C with CCD - camera - registration and auto - alignment
RR5060/S with sensor - registration and auto - alignment

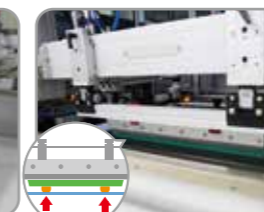
ATMALINE RR - fully-automatic roll-to-roll machine

Model	Max. Material Size	Material Thickness	Throughput
RR2550/C	250*500 / 9.8*19.7	0.1 - 0.2 / 4 - 8	3
RR3250/C	340*500 / 13.4*19.7	0.1 - 0.2 / 4 - 8	3
RR5060/S	500*600 / 19.7*23.6	0.1 - 0.2 / 4 - 8	10
	[mm*mm / in*in]	[mm / mil]	[m/min]

Options for MF Series



dripless squeegee unit



squeegee auto-leveling



substrate cleaning roller



anti-static discharge bar



dust-proof enclosure