



COMMIT TO TOP QUALITY

ATMACE SERIES (G6 Version)

# HIGH PRECISION SCREEN PRINTERS WITH OPTIONS FOR OPTO-ELECTRONICS



## ▶ APPLICATION

ATMA latest upgrade of top-quality ATMACE Series (G6 version) Four-Post screen printer specialized in printing task for high-tech opto-electronics products.

Ex: LCD, LGP(Light Guidance Panel), BEF, ITO, EL, CNT-FED, etc..

(/G type accepts thin, light-weighted, non-deforming flexible materials only.)

## ▶ FEATURES

### ● Quality Commitment

An ISO9001 and ISO14001 certified professional manufacturer

### ● Elegant Design

In addition to innovative precision technology and outstanding high-performance design of G5 version. G6 version is equipped with digital controls and servo motors to fulfill the opto-electronics line printing quality.

### ● Solid Construction

Heavy-duty base frame with balanced footings to stay vibration-free through high speed operation.

### ● Low Setup Time

Screen front insertion and holding / air-locking system and setting memory for easy setup.

### ● Guaranteed Repeatability

Special design on printing table, high-accuracy linear rails, servo drive motors and digitally pressure-equalized squeegee / flood coater system to control the ink thinness well within  $\pm 0.002\text{mm}$  in repeatability.

### ● Easy Adjustments

Squeegee/Flood Coater depth, pressure, angle, skew, level, speed and screen movement are micrometer or dial displayed to achieve optimum printing result.

### ● User-Friendly Operation

Digital control panel with programmable software plus parameter setting, display, memory and recall to maintain flexible, easy and error-free operation.

### ● Safety

Adopted all protections to meet European safety requirements.

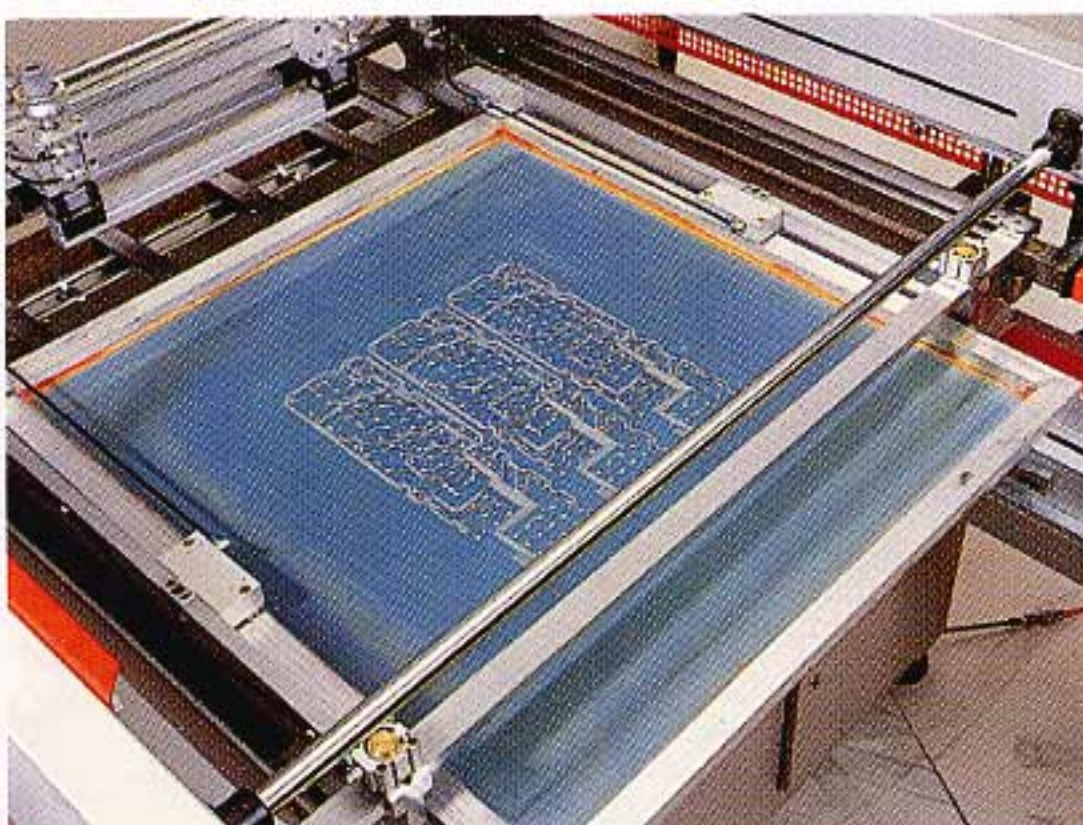
### ● Gripper Take-Off (Option)

The "/G" series with an optional Gripper Take-off system integrated as 3/4-automatic model (for thin, light-weighted, non-deforming flexible materials only).

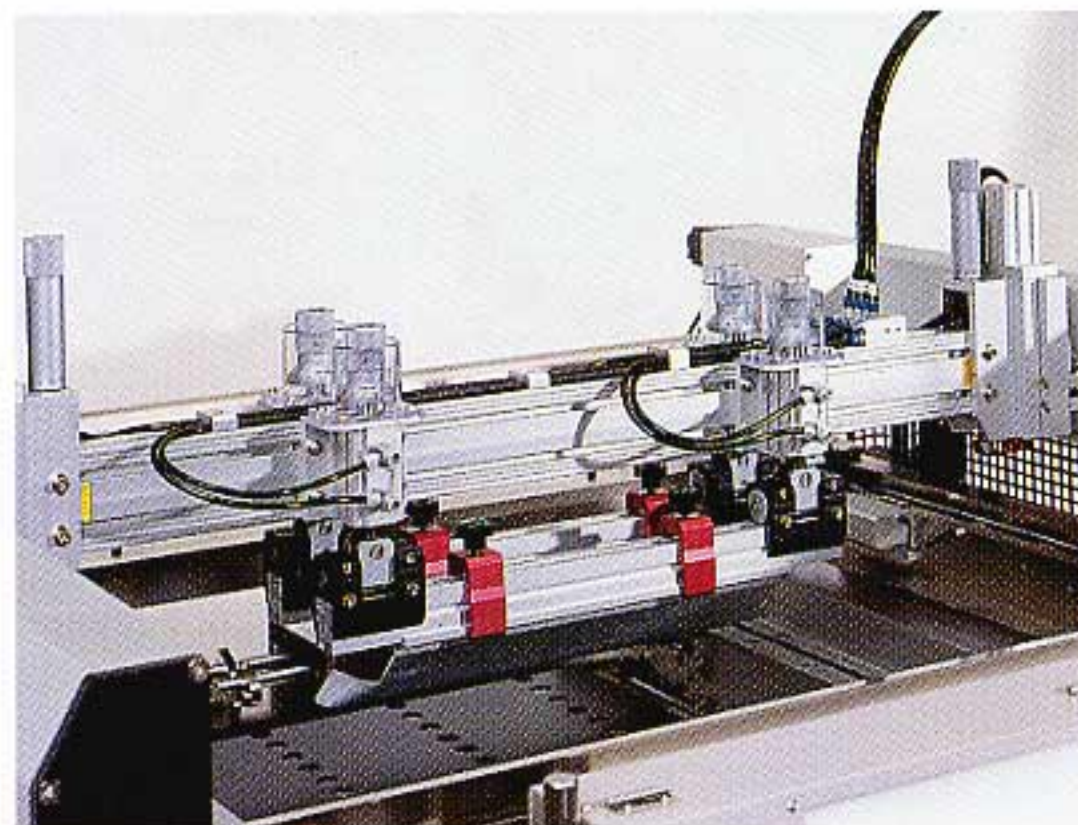
### ● Additional Options

Available with Clean Roller, Static Eliminator, Anti-drip Device, Registration Pins, CCD System and more.

*CHANGE MAY BE MADE WITHOUT PRIOR NOTICE*



Screen insertion & holding



Print Head



Registration adjustments & locking



## HIGH PRECISION SCREEN PRINTER W/O TAKE-OFF

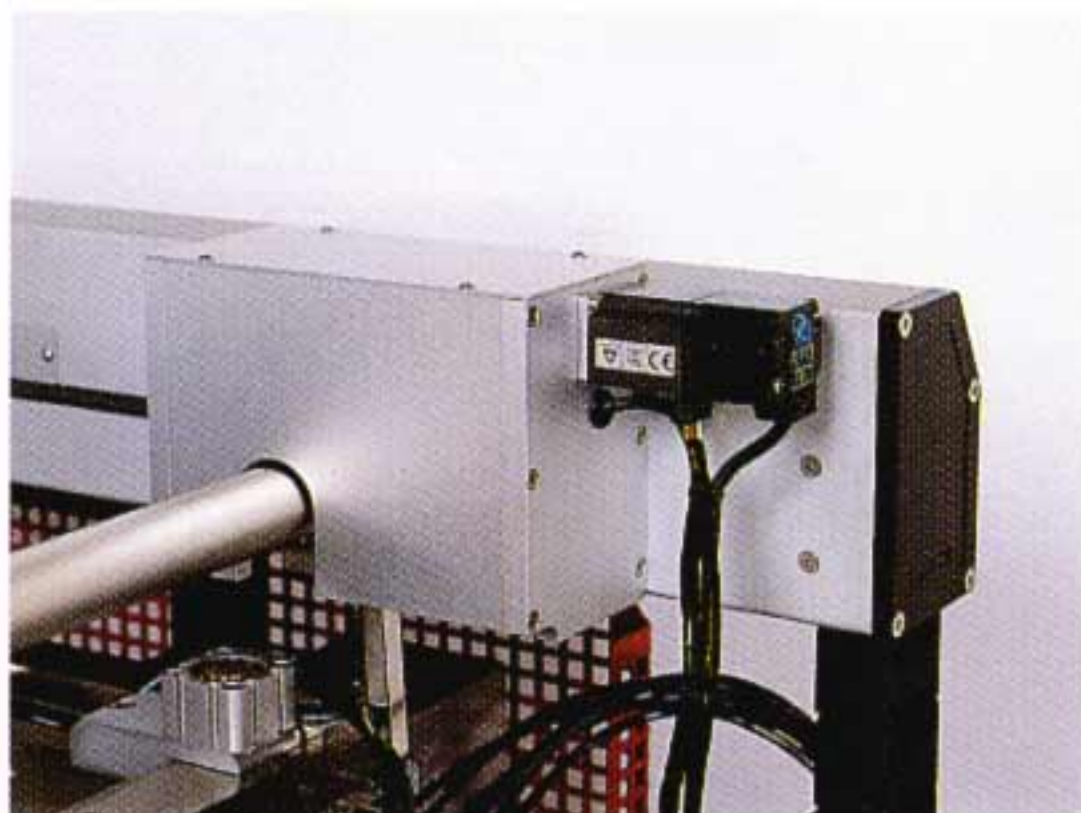
### Model (Max. Print Area, mm in.)

ATMACE 56 (500x600 19<sup>5</sup>/<sub>8</sub> x 23<sup>5</sup>/<sub>8</sub>)  
 ATMACE 67 (600x740 23<sup>5</sup>/<sub>8</sub> x 29<sup>1</sup>/<sub>8</sub>)

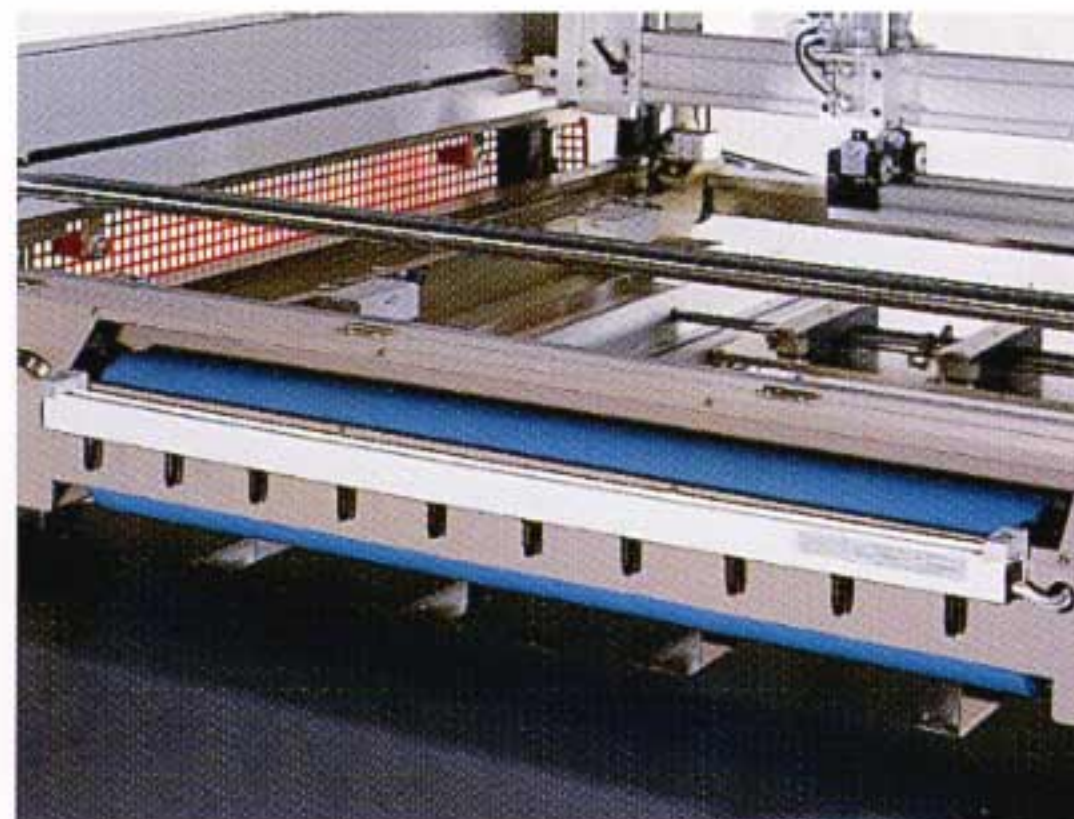
## HIGH PRECISION SCREEN PRINTER WITH GRIPPER TAKE-OFF

### Model (Max. Print Area, mm in.)

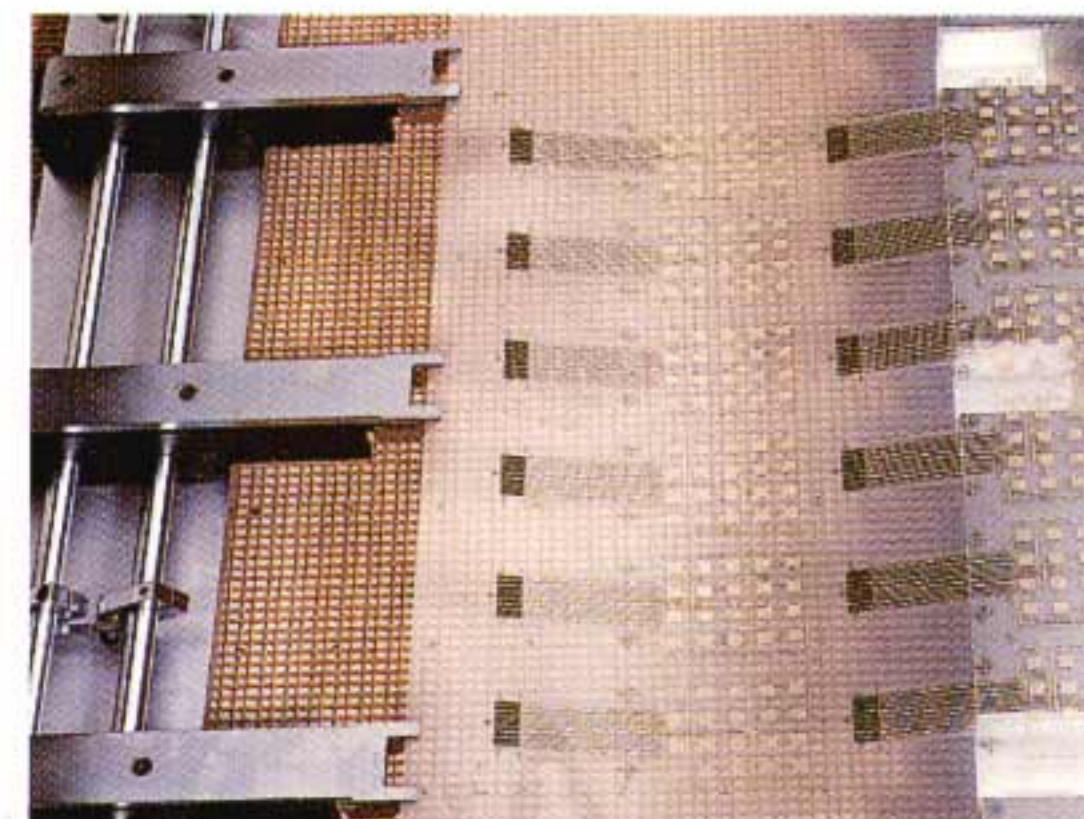
ATMACE 56/G (500x600 19<sup>5</sup>/<sub>8</sub> x 23<sup>5</sup>/<sub>8</sub>)  
 ATMACE 67/G (600x740 23<sup>5</sup>/<sub>8</sub> x 29<sup>1</sup>/<sub>8</sub>)



Servo Peel-off



Cleaning roller & static eliminator



Gripper Take-off (/G type)

## SPECIFICATION

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

	56, 56/G	67, 67/G
Working Table size (DxW, mm in.)	700x680 27 <sup>1</sup> / <sub>2</sub> X 26 <sup>3</sup> / <sub>4</sub>	800x800 31 <sup>1</sup> / <sub>2</sub> X 31 <sup>1</sup> / <sub>2</sub>
Vacuum area (DxW, mm in.)	500x600 19 <sup>5</sup> / <sub>8</sub> X 23 <sup>5</sup> / <sub>8</sub>	600x740 23 <sup>5</sup> / <sub>8</sub> X 29 <sup>1</sup> / <sub>8</sub>
Vacuum Hole (dia./pitch, mm in.)	1.0 / 14.14 <sup>3</sup> / <sub>8</sub> / <sup>1</sup> / <sub>2</sub>	1.0 / 14.14 <sup>3</sup> / <sub>8</sub> / <sup>1</sup> / <sub>2</sub>
Max print area (DxW, mm in.)	500x600 19 <sup>5</sup> / <sub>8</sub> X 23 <sup>5</sup> / <sub>8</sub>	600x750 23 <sup>5</sup> / <sub>8</sub> X 29 <sup>1</sup> / <sub>2</sub>
Max. O/D frame size (DxW, mm in.)	860x900 33 <sup>3</sup> / <sub>4</sub> X 35 <sup>3</sup> / <sub>8</sub>	1000x1050 39 <sup>3</sup> / <sub>8</sub> X 41 <sup>1</sup> / <sub>4</sub>
Frame height (mm in.)	25-50 1-2	25-50 1-2
Substrate thickness (mm in.)	0-30 0 -1 <sup>1</sup> / <sub>4</sub> (/G: 0-4 0 -1 <sup>1</sup> / <sub>2</sub> )	0-30 0 -1 <sup>1</sup> / <sub>4</sub> (/G: 0-4 0 -1 <sup>1</sup> / <sub>2</sub> )
Table height (mm in.)	960+40 37 <sup>3</sup> / <sub>4</sub> +1 <sup>1</sup> / <sub>2</sub>	960+40 37 <sup>3</sup> / <sub>4</sub> +1 <sup>1</sup> / <sub>2</sub>
Conveyor height (/G, mm in.)	820+40 32 <sup>3</sup> / <sub>4</sub> +1 <sup>1</sup> / <sub>2</sub>	820+40 32 <sup>3</sup> / <sub>4</sub> +1 <sup>1</sup> / <sub>2</sub>
Peel-off Distance (mm in.)	0-20 0 - <sup>3</sup> / <sub>4</sub> (digitally settable)	0-20 0 - <sup>3</sup> / <sub>4</sub> (digitally settable)
Clearance screen ↔ table		
Print level (mm in.)	0.5-30 0 -1 <sup>1</sup> / <sub>8</sub> (digitally settable)	0.5-30 0 -1 <sup>1</sup> / <sub>8</sub> (digitally settable)
Standby Level (mm in.)	20 <sup>3</sup> / <sub>4</sub> above Print level	20 <sup>3</sup> / <sub>4</sub> above Print level
Clean-up level (mm in.)	280 11 above table	280 11 above table
Table speed (mm in./sec.)	1130 44	1130 44
Print head speed (mm in./sec.)	50-500 2-19 (digitally settable)	50-500 2-19 (digitally settable)
Max. capacity (P/H, full stroke)	480	420
Screen adjustment (X/Y, mm in.)	±10 / ±10 ± <sup>3</sup> / <sub>8</sub> / ± <sup>3</sup> / <sub>8</sub>	±10 / ±10 ± <sup>3</sup> / <sub>8</sub> / ± <sup>3</sup> / <sub>8</sub>
Skew angle (°)	±3.5	±3
Squeegee inclination angle (°)	±30+20° (preset angle of holder)	±30+20° (preset angle of holder)
Print/Flood Coating Pressure(kg lb)	3-50 6.6-110 (digitally settable)	3-50 6.6-110 (digitally settable)
Electric Power	3-phase, 380V, 50/60Hz	3-phase, 380V, 50/60Hz
Power consumption (kw)	2.8 (/G: 3.3)	3.8 (/G: 3.9)
Input air pressure (kg/cm <sup>2</sup> PSI)	5-6 71-85	5-6 71-85
Air consumption (l Gl/cycle)	4.6 1.3 (/G: 5.3 1.5)	4.8 1.3 (/G: 5.5 1.5)
Dimension (WxDxH, cm in.)	150 x 200 x 140+4 59 x 79 x 55+1 <sup>1</sup> / <sub>2</sub>	160 x 230 x 140+4 64 x 91 x 55+1 <sup>1</sup> / <sub>2</sub>
Weight (kg lb)	920 2024 (/G: 970 2134)	1050 2310 (/G: 1100 2420)



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