

ATMECH SERIES



*NEW*

# CLAM-SHELL SCREEN PRINTER SERIES



Patent on-hold,  
infringement subject to legal pursue

## ▶ APPLICATION

For precision screen-printing substrates in flat film/sheet/thin board form. /B type is good for rigid material only.  
Ex.: Printed Circuits, Membrane Switches, Mylar Overlays, IMD Films, EL Films, Posters, Signs,  
Stickers, Decals, Card Boards, etc..



## ▶ FEATURES

### ● Innovative Design

All new Print Head & Magnet-locking system on solid structure plus top-class drive/guidance systems ensure stable close-toleranced run under all print pressure & speed.

### ● Fast Setup

Fast screen frame setup by freely re-locatable holder arms, front insertion, air-locking & registration adjustment systems.

### ● Easy Operation

Front control panel & Pressure Equalizing Systems featuring easy operation & pressure management for best printing quality.

### ● Safety

All new Safety Bar & Light Beam guarding systems plus patent Off-load System for full safety protections to European standards.

### ● Belt Take-off

"/B" type equipped with Belt Take-off system for immediate output, upgrades capacity.

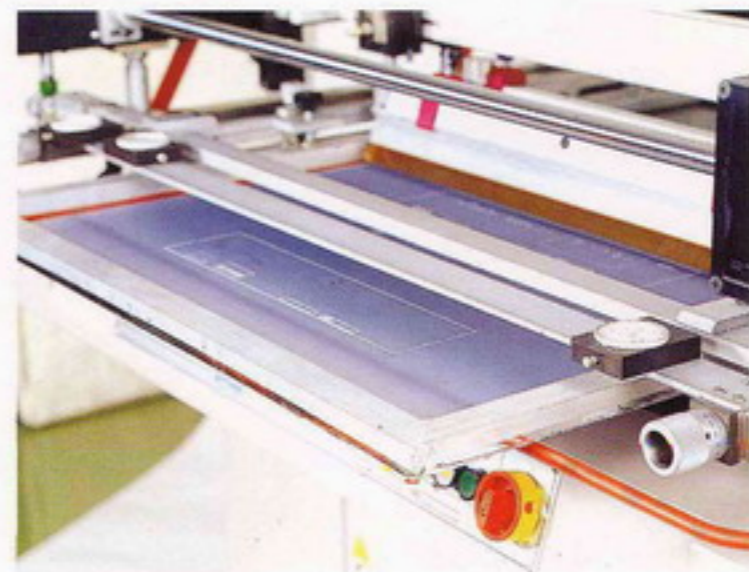
### ● Options

Heavy Print Pressure, Dripless Squeegee, Pop-up Pins, Static Eliminator and more.

*CHANGE MAY BE MADE WITHOUT PRIOR NOTICE*

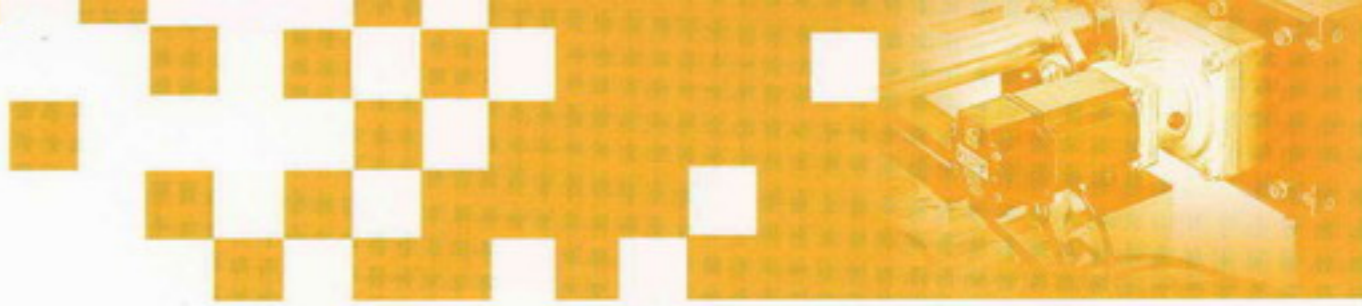


Pneumatic Controls



Screen Insertion from Front



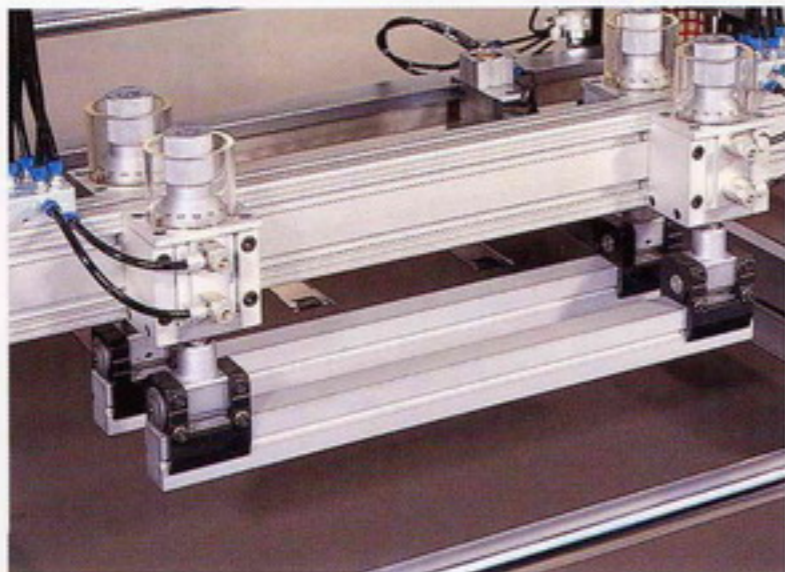


**CLAM-SHELL SCREEN PRINTER**

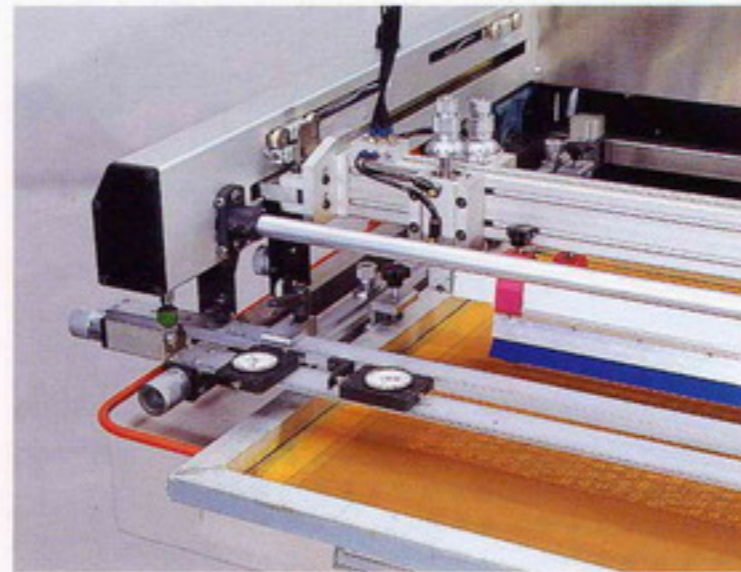
Model	(Max. Print Area, mm in.)
ATMECH 57	(550x750 <b>21½ x 29½</b> )
ATMECH 710	(750x1050 <b>29½x41¼</b> )

**CLAM-SHELL SCREEN PRINTER WITH BELT TAKE-OFF**

Model	(Max. Print Area, mm in.)
ATMECH 57/B	(550x750 <b>21½ x 29½</b> )
ATMECH 710/B	(750x1050 <b>29½x41¼</b> )



Print Head



Screen Registration Adjustments



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

	ATMECH 57	ATMECH 57/B	ATMECH 710	ATMECH 710/B
Table size (DxW/mm in.)	800x1000 31 <sup>1/2</sup> x39 <sup>3/8</sup>	800x1000 31 <sup>1/2</sup> x39 <sup>3/8</sup>	950x1250 37 <sup>3/8</sup> x49 <sup>1/8</sup>	950x1250 37 <sup>3/8</sup> x49 <sup>1/8</sup>
Vacuum area (DxW/mm in.)	620x740 24 <sup>3/8</sup> x29 <sup>1/8</sup>	<b>620x740 23<sup>5/8</sup> x 29<sup>1/8</sup></b>	760x1040 30x40	620x900 24 <sup>3/8</sup> x35 <sup>3/8</sup>
Max. print area (DxW/mm in.)	550x750 <b>21<sup>1/2</sup> x 29<sup>1/2</sup></b>	550x750 <b>21<sup>1/2</sup> x 29<sup>1/2</sup></b>	750x1050 29 <sup>1/2</sup> x41 <sup>1/4</sup>	750x1050 29 <sup>1/2</sup> x41 <sup>1/4</sup>
Min. print area (DxW/mm in.)	150x250 5 <sup>7/8</sup> x9 <sup>3/4</sup>	150x250 5 <sup>7/8</sup> x9 <sup>3/4</sup>	150x350 5 <sup>7/8</sup> x13 <sup>3/4</sup>	150x350 5 <sup>7/8</sup> x13 <sup>3/4</sup>
Max. O/D frame size (DxW/mm in.)	1000x1050 39 <sup>3/8</sup> x41 <sup>1/4</sup>	1000x1050 39 <sup>3/8</sup> x41 <sup>1/4</sup>	1200x1350 47 <sup>1/4</sup> x53 <sup>1/8</sup>	1200x1350 47 <sup>1/4</sup> x53 <sup>1/8</sup>
Min. O/D frame size (DxW/mm in.)	350x750 13 <sup>3/4</sup> x29 <sup>1/2</sup>	350x750 13 <sup>3/4</sup> x29 <sup>1/2</sup>	350x1050 13 <sup>3/4</sup> x41 <sup>1/4</sup>	350x1050 13 <sup>3/4</sup> x41 <sup>1/4</sup>
Frame height (mm in.)	<b>28 - 54 1.1" - 2.12"</b>	<b>28 - 54 1.1" - 2.12"</b>	25-40 1-1 <sup>1/2</sup>	25-40 1-1 <sup>1/2</sup>
Substrate thickness (mm in.)	0-20 0-3/4	0-20 0-3/4	0-20 0-3/4	0-20 0-3/4
Table height (mm in.)	960+40 37 <sup>3/4</sup> +1 <sup>1/2</sup>	960+40 37 <sup>3/4</sup> +1 <sup>1/2</sup>	960+40 37 <sup>3/4</sup> +1 <sup>1/2</sup>	960+40 37 <sup>3/4</sup> +1 <sup>1/2</sup>
Belt height (/B, mm in.)	-----	-----	965+40 38+1 <sup>1/2</sup>	965+40 38+1 <sup>1/2</sup>
Screen-lift angle/height from table				
Standby level (° /mm in.)	20/650 25 <sup>1/2</sup>	20/650 25 <sup>1/2</sup>	18/590 23 <sup>1/4</sup>	18/590 23 <sup>1/4</sup>
Clean-up level (° /mm in.)	38/930 36 <sup>5/8</sup>	38/930 36 <sup>5/8</sup>	31/930 36 <sup>5/8</sup>	31/930 36 <sup>5/8</sup>
Print head speed (mm in./sec.)	60-930 2 <sup>3/8</sup> -36 <sup>5/8</sup>	60-930 2 <sup>3/8</sup> -36 <sup>5/8</sup>	60-930 2 <sup>3/8</sup> -36 <sup>5/8</sup>	60-930 2 <sup>3/8</sup> -36 <sup>5/8</sup>
Max. capacity(P/H, full stroke)	1020	690	1000	600
Screen X/Y adjustment (mm in.)	±10/±10 ±3/8 / ±3/8	±10/±10 ±3/8 / ±3/8	±10/±10 ±3/8 / ±3/8	±10/±10 ±3/8 / ±3/8
Electric power		3-phase, 220V/380V, 50/60Hz		
Power consumption (kw)	2.9	3.1	2.9	3.1
Input air pressure(kg/cm <sup>2</sup> PSI)	6-8 73-97	6-8 73-97	6-8 73-97	6-8 73-97
Air consumption (l GI/cycle)	4.1 1.1	4.81.3	4.11.1	4.8 1.3
Dimension (WxDxH, cm in.)	155x151x135 61x60x53	196x151x135 77x60x53	184x172x135 73x68x53	235x172x135 93x68x53
Weight (kgs lbs)	930 2046	980 2156	1080 2376	1160 2552

