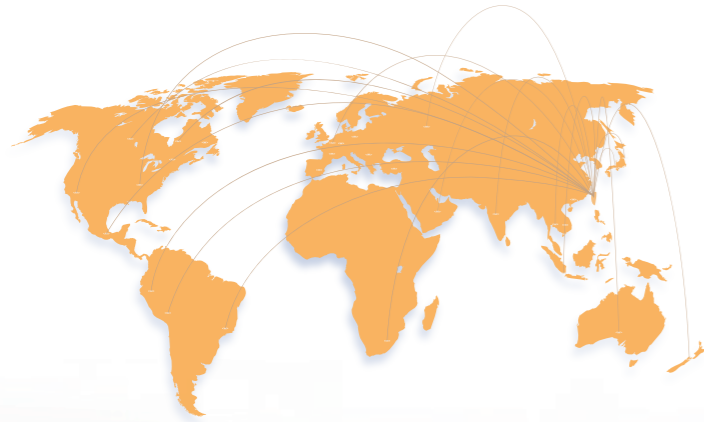
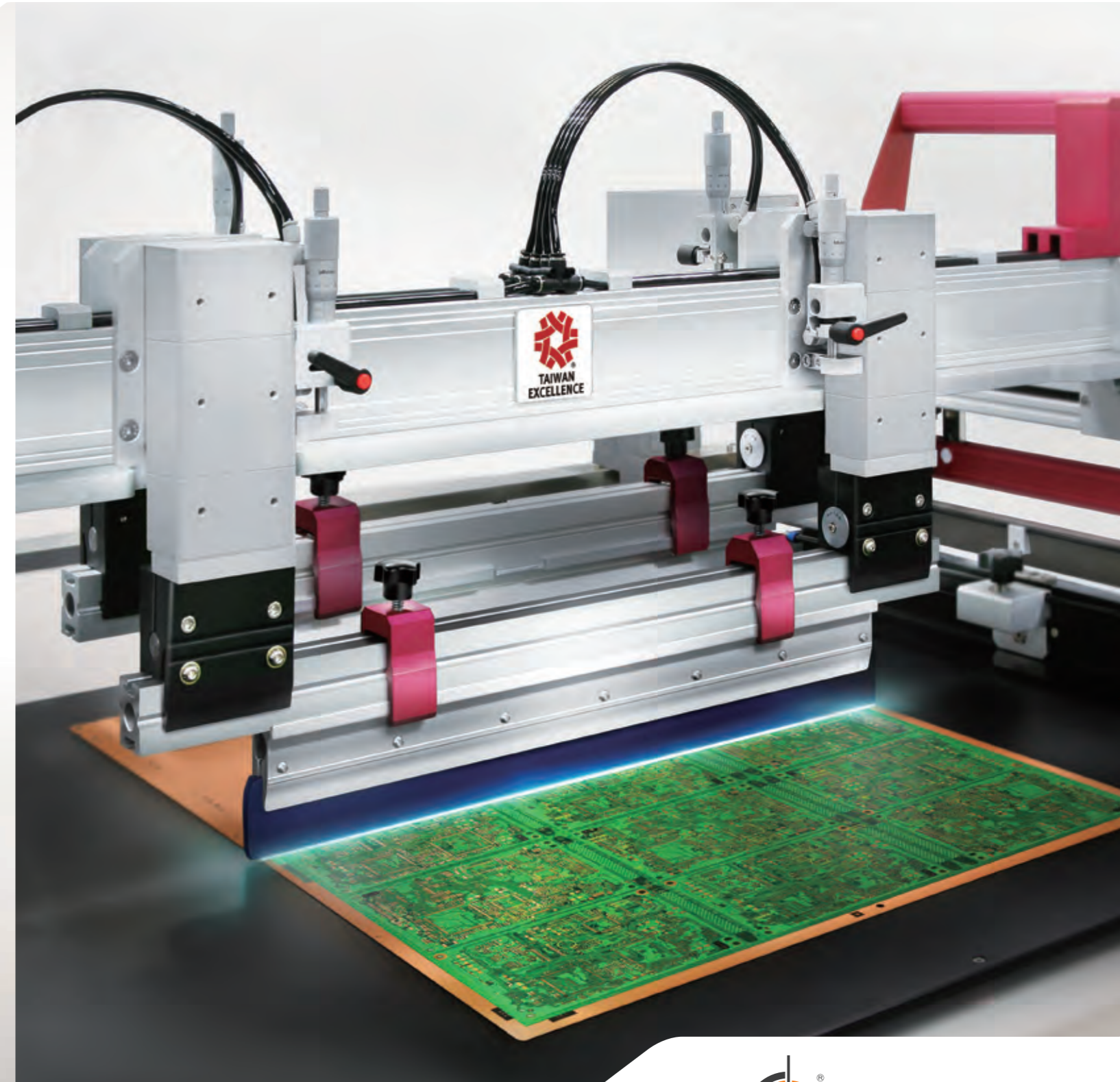




## PCB Screen Printer



Marketed over 70 countries,  
Please contact regional Agency

**RH SOLUTIONS LLC**  
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Batavia, OH 45103  
[www.RHSolutionsLLC.com](http://www.RHSolutionsLLC.com)  
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Innovative value, outstanding excellence





ATMA deeply cultivated in Research and Development of Screen Printing technology for more than 30 years, granted innovative leadership in the industry with excellent reputation and appraisal continuity.

Acquired countless domestic and overseas award for product design, obtained more than 100 patents in Taiwan and overseas from entry-level Manual Screen Printing Table to upscale Opto-electric Fully Automatic Screen Printer.

Further research and development Solar Energy Silicon Wafer Screen Printer, always leading to the extreme research and development of screen printing, conducts the trend of technology to serve as a role model of learning in the industry.

Wide range of products, screen printing is linked up with our daily life, applied in the Communication, Computer Products, Opto-electronics Technology, Solar Energy, etc. and other diverse of professional areas.

### [ VISION ]

Professional innovation achieves the benchmark enterprise of foremost global screen printing precise technology.

### [ MISSION ]

- Leading precise technology of the screen printing initiates new horizons of conventional application and opto-electronic panel, creating significant contribution of reducing carbon green energy.
- People-oriented is the core value, providing a learning environment to partners attaining self-value.
- Based on Taiwan, across both coasts, broadly view the world, service globally, sustainable management of mission statement.

### [ AWARDS ]

- Achieved Patent of Invention from USA, Taiwan, China, UK, and more than 100 of new patent from many different countries.
- Awarded "Taiwan Excellence" continuously for years, accumulated more than 80 different models.

### [ COMPANY PROFILE ]

Founded : 25th July, 1979  
 President : Mr. T.C. Chen  
 Capital : USD 6.9 million  
 Factory area : 15,000 m<sup>2</sup>  
 Employee : 400  
 Certification : ISO 9001, ISO 14001, CE

### [ MANAGEMENT PHILOSOPHY ]



**SINCERITY**  
 Treating people with sincerity



**TRUST**  
 Running business with trust



**DILIGENCE**  
 Practicing work with diligence



**HARMONY**  
 Handling matters with harmony



**RH SOLUTIONS LLC**  
 Bringing Print to Life

# Trust!

Life Application Screen Printing Creating Unlimited Possibility.



### SCREEN PRINTING APPLIED FOR THE PRINTED CIRCUITS

Suitable for printing fine line, legend, BGA (Ball Grid Array), Flip Chip, Embedded Resistor, Carbon Paste, HDI Resin plug-via-holes, PSR wet-film plug-via-holes, SMT, Embedded Passive Component, COF, ACP, etc. on Rigid PCB, FPC, Copper Foil.



**ELECTRIC FLAT SCREEN PRINTER**

Suitable for screen printing on flat sheet / plate / board, such as PCB, FPC, Membrane Switch, Optoelectronic display film / panel etc.



**INNOVATIVE DESIGN** / patented electric screen up down, rapid movement, stable & silence, increasing productivity, resistant to prolonged operating, and low maintenance.

**SOLID & ACCURACY** / solid mechanism with light weight, top class transmission and guiding system.

**QUICK SETUP** / structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / complete electro-pneumatic control system, multiple features, easy operating.

**SAFETY PROTECTION** / multiple safety defense, error diagnosis to assure operator safety.

**OPTIONS** / modified Vacuum Holes diameter/ area, adding Automatic Registration Pin, Dripless Squeegee, Dial Indicator. Safety Device : Light Beam Protection, Raster Protection



|                                  | <b>AT-80P</b>                            |
|----------------------------------|--|
| Table Size (mm, DxW)             | 700x900                                  |
| Max. Print Area (mm, DxW)        | 600x800                                  |
| Max. Frame O/D Size (mm, DxW)    | 900x1100                                 |
| Substrate Thickness (mm)         | 0~25                                     |
| Max. Capacity (P/H)              | 570(Full-speed & Full-stroke & Non-stop) |
| Power Source                     | 3Φ, 220V/380V, 50/60Hz                   |
| Power Consumption (kW)           | 2.55                                     |
| Air Source (kg/cm <sup>2</sup> ) | 5~7                                      |
| Air Exhaustion (liter / cycle)   | 2.75                                     |
| Machine Dimension (cm, WxDxH)    | 150x130x170                              |
| Net Weight (kg)                  | 685                                      |

(Modification may be made without prior notice)

**ELECTRIC FLAT SCREEN PRINTER WITH BELT TAKE-OFF**

Suitable for screen printing on rigid boards, such as rigid PCB, opto-electronic display panel, etc



**INNOVATIVE DESIGN** / patented electric screen up down, equipped with automatic take-off system, rapid movement, stable and silence, increasing productivity, resistant to prolonged operating, and low maintenance.

**SOLID & ACCURACY** / solid mechanism with light weight, top class transmission and guiding system.

**QUICK SETUP** / structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / complete electro-pneumatic control system, multiple features, easy to operate.

**SAFETY PROTECTION** / multiple safety defense, error diagnosis to assure the safety of Operator.

**OPTIONS** / modified Vacuum Holes diameter/ area, Light beam Safety Protection



|                                  | <b>AT-80P/B</b>                          |
|----------------------------------|--|
| Table Size (mm, DxW)             | 700x900                                  |
| Max. Print Area (mm, DxW)        | 600x650                                  |
| Max. Frame O/D Size (mm, DxW)    | 900x1100                                 |
| Substrate Thickness (mm)         | 0~25                                     |
| Max. Capacity (P/H)              | 480(Full-speed & Full-stroke & Non-stop) |
| Power Source                     | 3Φ, 220V/380V, 50/60Hz                   |
| Power Consumption (kW)           | 2.7                                      |
| Air Source (kg/cm <sup>2</sup> ) | 5~7                                      |
| Air Exhaustion (liter / cycle)   | 3.1                                      |
| Machine Dimension (cm, WxDxH)    | 180x130x170                              |
| Net Weight (kg)                  | 720                                      |

(Modification may be made without prior notice)

Commit To Top Quality



**Electric AT Series**

**AT-60PD / AT-70PD  
AT-80PD**

**DIGITAL ELECTRIC FLAT SCREEN PRINTER**

Suitable for high precision screen printing on every type of flat film / sheet / thin panel, such as PCB, FPC, Membrane Switch, etc.

**INNOVATIVE DESIGN** / patented design digital control screen up down and left / right printing and flood coating, rapid movement, stable and silence, resistant to prolonged operating.

**SOLID & ACCURACY** / innovative mechanism, solid and light weight, harmony with top class transmission and guiding system, rapid movement, smooth stable, precise positioning and saving energy.

**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / touch-screen digitalized control, multiple features, easy to operate.

**SAFETY PROTECTION** / multiple safety defense, conformed with European safety regulation.

**OPTIONS** / Dripless Squeegee, Registration Pin.



|   | AT-60PD               | AT-70PD     | AT-80PD     |
|---|-----------------------|-------------|-------------|
| Table Size (mm, DxW)  | 500x700               | 700x800     | 700x900     |
| Max. Print Area (mm, DxW)   | 405x600               | 600x700     | 600x800     |
| Max. Frame O/D Size (mm, DxW)   | 700x950               | 900x1050    | 900x1100    |
| Substrate Thickness (mm)  | 0-120                 | 0-120       | 0-120       |
| Max.Capacity (P/H) <small>Full-speed &amp; Full-stroke &amp; Non-stop</small> | 570                   | 540         | 510         |
| Power Source  | 3Φ, 220V/380V,50/60Hz |             |             |
| Power Consumption (kW)  | 1.54                  | 2.07        | 2.4         |
| Air Source (kg/cm <sup>2</sup> )  | 5-7                   | 5-7         | 5-7         |
| Air Exhaustion (liter / cycle)  | 1.53                  | 2.1         | 2.24        |
| Machine Dimension (cm,WxDxH)  | 130x106x160           | 140x126x165 | 150x130x170 |
| Net Weight (kg)   | 485                   | 593         | 685         |

(Modification may be made without prior notice)

**AT-EW80P / AT-EW120P  
AT-EW160P**

**INNOVATIVE DESIGN** / initially patented two-way printing by double squeegee + double peel-off + two-way table displacement, Precise control "no skip printing at corner / gap" , "two-way printing precise / offset under control" , "automatic cleaning residue ink on mesh" , "via solidly plugged without pop-up thru drying" . Greatly raise output 30% and yield rate in comparison, lead a prevailing process in PCB fabrication.

**SOLID & ACCURACY** / solid mechanism with light weight, harmony with top class transmission and guiding system, rapid movement, smooth stable, precise positioning and saving energy.

**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / complete electro-pneumatic control system, providing versatile handy operating functions.

**SAFETY PROTECTION** / multiple safety defense, automatic error diagnosis, comprehensive protection.

**OPTIONS** / Table Vacuum Function, Light Beam Protection, Thicker Squeegee ( enhance effect of plug-via holes).



|                                  | AT-EW80P               | AT-EW120P   | AT-EW160P   |
|----------------------------------|------------------------|-------------|-------------|
| Table Size (mm, DxW)             | 700x900                | 700x1200    | 800x1700    |
| Max. Print Area (mm, DxW)        | 600x650                | 600x950     | 600x1300    |
| Max. Frame O/D Size (mm, DxW)    | 900x1100               | 1000x1500   | 1000x1900   |
| Substrate Thickness (mm)         | 0-25                   | 0-25        | 0-25        |
| Max. Capacity (Non Plug-Via)     | 200-400                | 180-370     | -           |
| (P/H)(Plug-Via)                  | 150-350                | 130-320     | 260         |
| Power Source                     | 3Φ, 220V/380V, 50/60Hz |             |             |
| Power Consumption (kW)           | 2.6                    | 2.55        | 2.6         |
| Air Source (kg/cm <sup>2</sup> ) | 5-7                    | 5-7         | 5-7         |
| Air Exhaustion (liter / cycle)   | 1.8(no suction)        | 2.6         | 2.6         |
| Machine Dimension (cm,WxDxH)     | 150x130x170            | 190x140x175 | 230x140x175 |
| Net Weight (kg)                  | 670                    | 800         | 1350        |

(Modification may be made without prior notice)



**ELECTRIC  
WET-FILM  
SCREEN PRINTER**

Suitable for plug or non-plug-via-hole wet-film processing to print PSR on PCB.

Commit To Top Quality



## CLAMSHELL FLAT SCREEN PRINTER

Suitable for rapid printing carbon, resin plug holes, legend, etc. on the printed circuits board.

**CLAMSHELL DESIGN** / motor-driven screen incline uplift design, operating fast, stable and silence, greatly increasing productivity, durable long run operation and almost maintenance free.

**SOLID & ACCURACY** / top class transmission and guiding system, precise positioning.

**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / complete electro-pneumatic control system, providing various convenient operating functions.

**SAFETY PROTECTION** / multiple safety defense, automatic error diagnosis to assure operator safety.

**OPTIONS** / Special made vacuum hole diameter/ area, light beam Safety Protection Bar.



### ATMECH 57

|                                  |  |
|----------------------------------|--|
| Table Size (mm, DxW)             | 800x1000                                 |
| Max. Print Area (mm, DxW)        | 550x750                                  |
| Max. Frame O/D Size (mm, DxW)    | 1100x1100                                |
| Substrate Thickness (mm)         | 1.5-17                                   |
| Max. Capacity(P/H)               | 700(Full-speed & Full-stroke & Non-stop) |
| Power Source                     | 3Φ, 220V/380V,50/60Hz                    |
| Power Consumption (kW)           | 2.9                                      |
| Air Source (kg/cm <sup>2</sup> ) | 5-7                                      |
| Air Consumption (liter / cycle)  | 2.7                                      |
| Machine Dimension (cm,WxDxH)     | 155x152x140                              |
| Net Weight (kg)                  | 985                                      |

(Modification may be made without prior notice)

## CLAMSHELL FLAT SCREEN PRINTER WITH BELT TAKE-OFF

Suitable for precise screen printing carbon, legend, etc. on the printed circuits board.

**CLAMSHELL DESIGN** / motor-driven screen incline uplift design, operating fast, stable and silence, equipped with belt take-off system to achieve convenient working, durable long run operation and almost maintenance free.

**SOLID & ACCURACY** / top class transmission and guiding system, precise positioning.

**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / complete electro-pneumatic control system, providing various convenient operating functions.

**SAFETY PROTECTION** / multiple safety defense, automatic error diagnosis to assure operator safety.

**OPTIONS** / Special made vacuum hole diameter/ area, light beam Safety Protection Bar



### ATMECH 57/B

|                                  |   |
|----------------------------------|---|
| Table Size (mm, DxW)             | 800x1000                                  |
| Max. Print Area (mm, DxW)        | 500x750                                   |
| Max. Frame O/D Size (mm, DxW)    | 1100x1100                                 |
| Substrate Thickness (mm)         | 1.5-17                                    |
| Max. Capacity (P/H)              | 650 (Full-speed & Full-stroke & Non-stop) |
| Power Source                     | 3Φ, 220V/380V, 50/60Hz                    |
| Power Consumption (kW)           | 2.9                                       |
| Air Source (kg/cm <sup>2</sup> ) | 5-7                                       |
| Air Exhaustion (liter / cycle)   | 3.5                                       |
| Machine Dimension (cm,WxDxH)     | 188x151x142                               |
| Net Weight (kg)                  | 990                                       |

(Modification may be made without prior notice)

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# ATMAPC 67 / 68

# ATMAPC HDI67

## FOUR-POST HIGH PRECISION SCREEN PRINTER

Suitable for precise screen printing legend, carbon, etc. onto the printed circuit board.

**INNOVATIVE DESIGN** / patented four-post sliding table design, convenient operator loading / off-loading.  
**SOLID & ACCURACY** / solid strong structure, top class transmission, guiding and positioning system, durable long run operation and high repeat accuracy.  
**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.  
**EASY OPERATION** / complete electro-pneumatic control system, providing various convenient operating functions.  
**SAFETY PROTECTION** / multiple safety defense, automatic error diagnosis to assure operator safety.

**OPTIONS** / equipped with vacuum motor and assigned vacuum holes size on table.

|  | ATMAPC 67             | ATMAPC 68   |
|--|-----------------------|-------------|
| Table Size (mm, DxW)   | 800x900               | 800x900     |
| Max. Print Area (mm, DxW)  | 600x740               | 640x760     |
| Max. Frame O/D Size (mm, DxW)  | 1100x1100             | 1250x1250   |
| Substrate Thickness (mm)   | 0.1-30                | 0.1-3.0     |
| Max. Capacity (P/H) <small>Actual productivity is depended upon printing process</small> | 560                   | 480         |
| Power Source   | 3Φ, 220V/380V,50/60Hz |             |
| Power Consumption (kW)   | 3.25                  | 2.9         |
| Air Source (kg/cm <sup>2</sup> )   | 5-7                   | 5-7         |
| Air Exhaustion (liter / cycle)   | 2.8                   | 3.7         |
| Machine Dimension (cm,WxDxH)   | 165x245x145           | 175x247x145 |
| Net Weight (kg)  | 1085                  | 1100        |

(Modification may be made without prior notice)

## HIGH PRECISION HDI SCREEN PRINTER

Suitable for precise screen printing high density interconnect plug-via micro-holes.

**INNOVATIVE DESIGN** / based on ATMAPC 67 structure design and enhanced strength, satisfy corresponding with demand for extreme stable speed and high pressure printing.  
**SOLID & ACCURACY** / special made structure to strengthen stable and durable against high pressure, control constant printing pressure, precise indicating screen registration to attain precise aiming to vacuum holes and achieve effect of uniform and saturation plug-via.  
**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.  
**EASY OPERATION** / complete electro-pneumatic control system, providing various convenient operating functions.  
**SAFETY PROTECTION** / multiple safety defense, automatic error diagnosis to assure operator safety.

**OPTIONS** / equipped with vacuum motor and assigned vacuum holes size on table.

|  | ATMAPC HDI 67         |  |
|--|-----------------------|--|
| Table Size (mm, DxW)   | 800x900               |  |
| Max. Print Area (mm, DxW)  | 640x640               |  |
| Max. Frame O/D Size (mm, DxW)  | 1100x1100             |  |
| Substrate Thickness (mm)   | 0.1-20                |  |
| Max. Capacity (P/H) <small>Actual productivity is depended upon printing process</small> | 300                   |  |
| Power Source   | 3Φ, 220V/380V,50/60Hz |  |
| Power Consumption (kW)   | 2.2                   |  |
| Air Source (kg/cm <sup>2</sup> )   | 5-7                   |  |
| Air Exhaustion (liter / cycle)   | 3.8                   |  |
| Machine Dimension (cm,WxDxH)   | 165x245x145           |  |
| Net Weight (kg)  | 1010                  |  |

(Modification may be made without prior notice)



Commit To Top Quality



# ATMAOE

## 56 / 67

## OPTO-ELECTRIC HIGH PRECISION SCREEN PRINTER

Suitable for high precise printing the circuits with carbon, legend, Silver paste for FPC, PSR, ACP etc.



P 11 / P 12

**INNOVATIVE DESIGN** / advanced design ultra strength structure, printing head, four-post leveling brake device (synchronous locking), servo transmission and precise guiding registration, stable and silence operation, durable high pressure printing, attain uniform ink deposit layer.

**QUICK SETUP** / enables to save and retrieve multi-group of printing parameters, greatly reduce setup time to raise productivity.

**EASY OPERATION** / colored touch-screen digital control system, versatile and exquisite function, convenient operation, digital control constant printing pressure, assure the best printing quality, satisfy with requirement for digitalize, standardization and humanize.

**SAFETY PROTECTION** / equipped with emergence stop, safety bar, error diagnosis, safety restoration system to assure comprehensive protection.

**OPTIONS** / CCD Registering system, uplift to receive take-off device, Dripless Squeegee, Pneumatic Registration Pin, Cleaning Roller, Anti-static Bar, ect.

|   | ATMAOE 56             | ATMAOE 67   |
|---|-----------------------|-------------|
| Table Size (mm, DxW)                                    | 700x800               | 800x900     |
| Max. Print Area (mm, DxW)                               | 440x500               | 600x660     |
|   | 500x600               | 600x740     |
| Max. Frame O/D Size (mm, DxW)                           | 950x950               | 1100x1100   |
| Substrate Thickness (mm)                                | 0.1-30                | 0.1-30      |
| Max. Capacity (P/H) Full-speed & Full-stroke & Non-stop | 660                   | 540         |
| Power Source  | 3Φ, 220V/380V,50/60Hz |             |
| Power Consumption (kW)                                  | 2.93                  | 3.25        |
| Air Source (kg/cm <sup>2</sup> )                        | 5-7                   | 5-7         |
| Air Exhaustion (liter / cycle)                          | 2.8                   | 2.8         |
| Machine Dimension (cm, W x D x H)                       | 150x215x145           | 165x242x145 |
| Net Weight (kg)   | 870                   | 1120        |

*(Modification may be made without prior notice)*



Commit To Top Quality

# ATMAOE

## EW67TT

## PRECISE WET-FILM PLUG-VIA TWIN TABLE SCREEN PRINTER

Suitable for screen printing PSR wet film plug-via / non-plug-via on PCB. Seven generation four-post twin table design to raise productivity greatly.



P 13 / P 14

**INNOVATIVE DESIGN** / special twin table exchange, servo motor two-way printing + screen with double axis displacement (patented), scratching residue ink + digital control constant printing pressure to achieve excellent printing effect without miss printing, non-residue ink, uniform plug-via.

**SOLID & ACCURACY** / top class transmission and guiding system, smoothly stable and silence, precise positioning.

**QUICK SETUP** / multiform structure with handy mounting or adjustment for fast setup.

**EASY OPERATION** / touch-screen digital control setting + memorize production.

**SAFETY PROTECTION** / automatic error diagnosis + safety restoration to assure comprehensive protection.

**OPTIONS** / double axis directional screen displacement, twin table vacuum function.

### ATMAOE EW67TT

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Table Size (mm, DxW)                | 800x 800 (up)<br>800x 800 (down)     |
| Max. Print Area (mm, DxW)           | 640 x 640                            |
| Max. Frame O/D Size (mm, DxW)       | 1050 x 1050                          |
| Substrate Thickness (mm)            | 0.1-10 (Substrate + Thickness)       |
| Max. Capacity (P/H)                 | 380 (Plug-Via speed, 300mm/sec.)     |
| Full-speed & Full-stroke & Non-stop | 480 (Non Plug-Via speed, 500mm/sec.) |
| Power Source                        | 3, 220V / 380V, 50 / 60Hz            |
| Power Consumption (kW)              | 4.5                                  |
| Air Source (kg/cm <sup>2</sup> )    | 5-7                                  |
| Air Exhaustion (liter / cycle)      | 2.77                                 |
| Machine Dimension (cm,WxDxH)        | 160 x 246 x 147                      |
| Net Weight (kg)                     | 1160                                 |

*(Modification may be made without prior notice)*



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# ATMAOE

## PC66 / PC68

### FULLY AUTOMATIC CCD REGISTERING PCB SCREEN PRINTER

Suitable for fully automatic screen printing circuits, PSR, resin plug-via on single / double side and multi-layer PCB.



**FULLY AUTOMATIC ONLINE** / Input→CCD Registering→Printing→Output→Dryer, attain fully automatic processing, unique design with high precision excellent performance, increasing productivity and yield rate.

**SOLID & ACCURACY** / solid & light weight with top class transmission (5 servo + 2 step motor + 2 DC brushless motor) and linear guide rail system, stable silence and fast movement, precise registration and energy saving.

**QUICK SETUP** / save and retrieve 100 groups of parameters + hand wheel to preset substrate size, save setup time to raise productivity.

**EASY OPERATION** / IPC + colored touch-screen + colored LCD display, fully digital control provides versatile parameters setting and instant monitoring, easy operating to attain requirement for digitalized, standardized and humanized processing.

**SAFETY PROTECTION** / enclosed automatic error diagnosis system, safety restoration loop, safety raster, emergency stop, warning lamp, etc. to secure comprehensive protection.

**OPTIONS** / right-in left-out, shoveling / dripless squeegee dual device / double peel-off / table and screen displacement function.

| ATMAOE  | PC66                  | PC68        |
|---|-----------------------|-------------|
| Table Size (mm, DxW)                                    | 850x800               | 1050x900    |
| Max. Print Area (mm, DxW)                               | 610x610               | 760x760     |
| Max. Frame O/D Size (mm, DxW)                           | 1100x1100             | 1250x1250   |
| Substrate Thickness (mm)                                | 0.3-3.5               | 0.3-3.5     |
| Max. Capacity (P/H) Full-speed & Full-stroke & Non-stop | 600                   | 480         |
| Power Source  | 3Φ, 220V/380V,50/60Hz |             |
| Power Consumption (kW)                                  | 5.7                   | 5.7         |
| Air Source (kg/cm <sup>2</sup> )                        | 5-7                   | 5-7         |
| Air Exhaustion (liter / cycle)                          | 42                    | 42          |
| Machine Dimension (cm,WxDxH)                            | 350x170x180           | 400x190x180 |
| Net Weight (kg)   | 2360                  | 2500        |

(Modification may be made without prior notice)



Commit To Top Quality

# ATMAOE

## MF55 / MF66

## AUTOMATIC CCD REGISTERING SCREEN PRINTER

Suitable for printing HDI, BGA, Flip Chip on PCB and ACP, LPI, legend on flexible printed circuits.



**INNOVATIVE DESIGN** / latest G7 four-post high precision screen printer collocated with right / left sliding table and CCD registering system, precise registration, excellent performance to raise greatly yield rate.

**SOLID & ACCURACY** / state of the art structure, solid and light weight, harmony with top class transmission (6 sets of servo + 1 set of AC motor) and precise leading registering system, rapid operation, smoothly stable and silence, precise registration and energy saving.

**QUICK SETUP** / function of digitalized control to preset parameters + 100 groups memory of production condition, greatly reduce set up time and increase production capacity.

**EASY OPERATION** / advanced PLC + IPC integrated control, colored touch-screen + display, provides versatile function parameters setting and instant operating / monitoring, convenient operation to fulfill perfect requirement for digitalized, standardized and humanized processing.

**SAFETY PROTECTION** / with automatic error diagnosis system, safety restoration, safety light barrier, emergency stop switch button, warning lamp and so on to secure comprehensive protection.

**OPTIONS** / right-in type, dripless squeegee, fixture / clamping design, pneumatic registration pin, automatic input / output device, etc.



| ATMAOE  | MF55                       | MF66        |
|---|----------------------------|-------------|
| Table Size (mm, DxW)                                    | 650x650                    | 750x750     |
| Max. Print Area (mm, DxW)                               | 500x500                    | 610x610     |
| Max. Frame O/D Size (mm, DxW)                           | 1000x1000                  | 1100x1100   |
| Substrate Thickness (mm)                                | 0.3-6.0                    | 0.3-6.0     |
| Max. Capacity (P/H) Full-speed & Full-stroke & Non-stop | 390                        | 360         |
| Power Source  | 3 $\phi$ 220V/380V,50/60Hz |             |
| Power Consumption (kW)                                  | 4.6                        | 4.6         |
| Air Source (kg/cm <sup>2</sup> )                        | 5-7                        | 5-7         |
| Air Exhaustion (liter / cycle)                          | 25                         | 25          |
| Machine Dimension (cm,WxDxH)                            | 250x160x190                | 270x170x190 |
| Net Weight (kg)   | 1490                       | 1610        |

(Modification may be made without prior notice)

Commit To Top Quality



# ATMATIC

## MF66/F

## FULLY AUTOMATIC CCD REGISTERING SCREEN PRINTER (FILM/SHEET)

Suitable for fully automatic high precision CCD registering screen printing inner circuits on flexible film / sheet.



**FULLY AUTOMATIC ONLINE** / auto vacuum cup input→CCD-Registering→Screen Printing→Vacuum cup take-off→Dryer, attain fully automatic online function.

**SERVO DRIVE** / direct drive, zero malfunction, solid printing torque, fully digital control, full stroke movement with ultra stable speed.

**HIGH PRECISE LEVELING** / precise processing Aluminum alloyed laminate for table top and hardness treatment to prevent scratching, table leveling accuracy achieved +/- 0.05 mm.

**EASY OPERATION** / advanced PLC + IPC integrated control, colored touch-screen + display, provides versatile function parameters setting and instant operating / monitoring, convenient operation to fulfill perfect requirement for digitalized, standardized and humanized processing.

**SAFETY PROTECTION** / with automatic error diagnosis system, safety restoration, emergency stop switch button, warning lamp and so on to secure comprehensive protection.

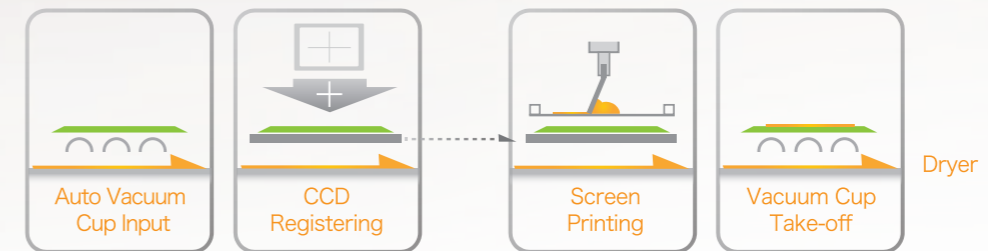
**OPTIONS** / dripless squeegee, anti-static bar, half shield dust proof, FFU, cleaning roller, etc.

### ATMATIC MF66/F

|   |                       |
|---|-----------------------|
| Table Size (mm, DxW)                                    | 750x750               |
| Max. Print Area (mm, DxW)                               | 610x610               |
| Max. Frame O/D Size (mm, DxW)                           | 1100x1100             |
| Substrate Thickness (mm)                                | 3.2                   |
| Max. Capacity (P/H) Full-speed & Full-stroke & Non-stop | 330                   |
| Power Source  | 3Φ, 220V/380V,50/60Hz |
| Power Consumption (kW)                                  | 5.5                   |
| Air Source (kg/cm <sup>2</sup> )                        | 5-7                   |
| Air Exhaustion (liter / cycle)                          | 15.5                  |
| Machine Dimension (cm,WxDxH)                            | 430x170x190           |
| Net Weight (kg)   | 2030                  |

(Modification may be made without prior notice)

### FULLY AUTOMATIC ONLINE



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# ATMATIC

## MF55 / MF66

## FULLY AUTOMATIC CCD REGISTERING SCREEN PRINTER

Suitable for various processing of screen printing PSR, resin,  
fine line circuits on rigid PCB.

**FULLY AUTOMATIC ONLINE** / roller input with vacuum cups→CCD-Registering→carried by sliding table→ Printing→carried by sliding table→Dryer, attain fully automatic online function.

**UPGRADED ACCUACY** / registration platform adopts 3 sets of servo motor control, use CCD registering system identifies to control amount of table displacement, repeatability registration accuracy is 5μm.

**SYNCHRONOUS PEEL-OFF** / servo control, automatic arithmetic synchronizes with printing speed, digitally preset peel-off height and start / end point, printing not stick screen mesh, enables to compensate screen accuracy.

**DELAY PRINTING** / two sections of printing pressure control, squeegee printing with light pressure priority, then shift to the preset squeegee pressure to avoid screen torn-off and squeegee damaged.

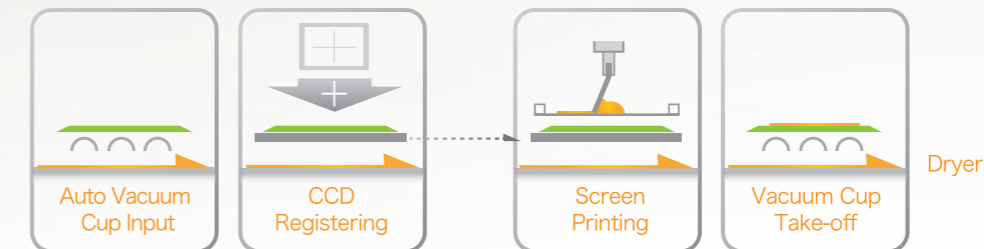
**SAFETY PROTECTION** / with automatic error diagnosis system, safety restoration, emergency stop switch button, warning lamp and so on to secure comprehensive protection.

**OPTIONS** / dripless squeegee, anti-static bar, cleaning roller, Static Eliminator, half shield dust proof, FFU, etc..

| ATMATIC   | MF55                  | MF66        |
|---|-----------------------|-------------|
| Table Size (mm, DxW)                                    | 650x600               | 750x750     |
| Max. Print Area (mm, DxW)                               | 500x500               | 600x600     |
| Max. Frame O/D Size (mm, DxW)                           | 1000x1000             | 1100x1100   |
| Substrate Thickness (mm)                                | 0.3-6.0               | 0.3-6.0     |
| Max. Capacity (P/H) Full-speed & Full-stroke & Non-stop | 330                   | 300         |
| Power Source  | 3φ, 220V/380V,50/60Hz |             |
| Power Consumption (kW)                                  | 5.3                   | 5.3         |
| Air Source (kg/cm <sup>2</sup> )                        | 5-7                   | 5-7         |
| Air Exhaustion (liter / cycle)                          | 30                    | 30          |
| Machine Dimension (cm, WxDxH)                           | 345x165x190           | 385x170x190 |
| Net Weight (kg)   | 1580                  | 1720        |

(Modification may be made without prior notice)

### FULLY AUTOMATIC ONLINE



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# AUXILIARY ACCESSORIES FOR SCREEN PRINTING

Dedicated to coat precisely emulsion onto screen mesh

## AT-LM4 STIRING TYPE INK MIXER

- Open stirring concept, easy to operate
- 3-step ink can holding, fast & stable
- Step-less speed control for can rotation
- 2 sizes of stirring blade

### AT-LM4

|                |                     |
|----------------|---------------------|
| Capacity (Kg)  | 4 (1 can per usage) |
| Dimension (cm) | 31x27x40            |
| Weight (kg)    | 20                  |



(Modification may be made without prior notice)



- Motor driven with stable speed coating to attain uniform layer thickness
- Frame holder freely locatable to meet various sizes of screen
- Handy foot-switch pedal to hold/release frame.
- Single/double-sided coating in various coating modes selection
- Preset individually number / pressure of coating front / back side of screen
- Setting 100 group of memory

|                   | AT- C1012D | AT- C1216D | AT- C1620D | AT- C2030D |
|-------------------|------------|------------|------------|------------|
| Max. Frame (cm)   | 105x125    | 125x165    | 165x205    | 205x305    |
| Frame Height (mm) | 20-45      | 20-45      | 20-45      | 20-45      |
| Dimension (cm)    | 188x51x188 | 208x51x228 | 248x51x268 | 288x51x368 |
| Weight (Kg)       | 340        | 360        | 500        | 540        |

(Modification may be made without prior notice)

## AT-C1012D / AT-C1216D AT-C1620D / AT-C2030D

### DIGITAL AUTOMATIC EMULSION COATING MACHINE

Dedicated to coat precisely emulsion onto screen mesh

## Various auxiliary accessories of screen stretching / screen printing, Welcome for enquiry

Screen mesh fabric stretcher / UV Exposing Box / Stencil Dryer / Wash-out Booth  
Cleaning Unit / UV, IR Dryer / Silence Air Compressor



P 2 3 / P 2 4

## AT-MIX7 AT-MIX7V

### INK MIXER

Dedicated to mix ink  
or emulsion



- Sealed shake and mix smoothly and stably
- Handy holder fastens ink can
- Closed chamber with full safety protection
- 7V type with vacuum to remove bubbles

|                | AT-MIX7             | AT-MIX7V<br>Vacuum Type |
|----------------|---------------------|-------------------------|
| Capacity (Kg)  | 7 (1 can per usage) | 7 (1 can per usage)     |
| Dimension (cm) | 52x73x81            | 52x73x81                |
| Weight (kg)    | 120                 | 125                     |

(Modification may be made without prior notice)

- Auto operation, manual setting, auto reciprocate with high speed and stable sharpening
- Linear guide rail leading, excellent real straight
- Fast holding squeegee, adjustable grinding height
- Adopt Diamond wheel with auto reverse sharpening for best result
- Adjustable rotary speed, depth, stroke and angle
- With vacuum cleaner to maintain clean environment

|                      | AT-S70 | AT-S100 | AT-S150 | AT-S200 |
|----------------------|--------|---------|---------|---------|
| Grinding Stroke (cm) | 70     | 100     | 150     | 200     |
| Grinding Angle (°)   | 0-45   | 0-45    | 0-45    | 0-45    |
| Dimension (cm)       | 136    | 166     | 216     | 266     |
|                      | 60     | 60      | 60      | 60      |
|                      | 128    | 128     | 128     | 128     |
| Weight (Kg)          | 235    | 267     | 305     | 350     |

(Modification may be made without prior notice)

## AT-S70 / AT-S100 AT-S150 / AT-S200

### AUTOMATIC SQUEEGEE SHARPENER

Dedicated to grind squeegee in  
straight and sharp to secure  
printing effect.



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