ATMATIC 45PA
Automatic Glass Panel Screen Printer

SLIVER 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
WINNER

ATMA®

RH SOLUTIONS LLC
Bringing Print to Life
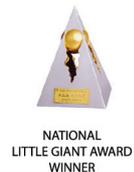
APPLICATION :

Dedicated to automatic screen printing on thick non-deformation flat substrate, such as acrylic, name-plate, sign and glass, etc.

CHARACTERISTIC :

MECHANISM

☺ Works in coordination full automatic mechanism, use the square tube to link with angle bar by welding, additional two pieces of the slotted steel bar were welded onto chassis to enhance strength of whole machine body rigidity.

WORK FLOW CYCLE

☺ Works in coordination to receive flat glass from Cleaner, automatic inlet→automatic registering→ right left bilateral nesting bar→printing→connecting with IR conveyor dryer→off-loading. Fully automatic transit, easy operation and fast processing to accomplish printing, directly delivered into IR drying to save manpower.

CENTRAL SHUTTLE TABLE

☺ Adopts linear guide rail cylinder to drive shuttle table up down and clamping substrate in position.

☺ Shuttle table movement is driven by servo motor transmission to work in coordinate with magnetic attraction to secure printing accuracy.

PRINTING MECHANISM

☺ Printing stroke is driven by DC motor and toothed belt transmission onto linear guide rails, stable printing speed and stepless speed adjustment.

☺ Structure of vertical base adopts linear guide rails plus Aluminum alloyed jointless formation, durable and high precision.

☺ Screen frame fine adjustment registration structure, fast and efficient adjusting position for screen and substrate registration.

☺ Six printing cycle modes, selectable cycle mode depends upon printing requirement for different substrates, fast and convenient achieving efficient printing.

REGISTRATION

☺ Use guide rail cylinders to work in coordination with plastic plates, achieves precise registering the substrate without damage surface of substrate.

☺ Plastic plates (used for masking to print edge-to-edge) are also used for edge alignment to assure full printing area perfectly.

CONTROL DEVICE

☺ Use touch-screen to indicate Chinese-English, digital control enables to select, setting, various printing stroke to meet various printing requirement.

SAFATY DEVICE

☺ Safety protective loop, if setting or operating is error or malfunction, machine stops immediately and touch-screen displays error message to attach with restoration key.

☺ Attached with three color warning lamp to indicate the machine's progressing status.

☺ FRL unit attaches automatic pressure detection switch, automatic warning to stop machine when insufficient air pressure to assure all printings to be done under sufficient air pressure.

☺ Emergency stop press button switch uplift restoration to secure operator safety to reduce defective rate.

SPECIFICATIONS :

ITEMS	ATMATIC 45PA
Work flow direction	From right to left
Max. O/D frame size	23.6" x 27.56"
Min. O/D frame size	15.75" x 15.75"
Max. printing area	12" x 12"
Min. printing area	7.87" x 7.87"
Printing table height	37.40" + 1.18"
Printing table size	22.83" x 94.49"
Vacuum area	12.6" x 12.6"
Vacuum hole size	Ø 0.0787"
Shuttle table speed	59.6"/sec
Screen fine adjustment X/Y axis	±0.39"/±0.39"
Substrate thickness	0.079" to 0.47"
Substrate weight	1 lb to 24.25 lb
Frame height	0.98" to 1.57"
Screen cleaning level	8.27"
Print Speed (digital setting)	3.94" to 19.69"/sec
Cycle Speed (full speed, full stroke, non-stop)	660 P/H
Power source	3-phase, 220V/380V, 50/60Hz
Power Consumption	2.96kw
Compressed air source	71.12 to 99.56 psi
Air consumption	0.41 cfm
Machine dimension	40.16" x 100.4" x 58.3"
Machine weight	1720 lb

CHANGE MAY BE MADE WITHOUT PRIOR NOTICE