



# ATMATIC 60PD 、 ATMATIC 70PD Automatic Glass Panel Screen Printer





## **APPLICATION :**

Dedicated to every type rigid material flat printing, such as decorative glass, acrylic, nameplate, metal material and so on automatic printing.

## **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.
- ☺ Special design pneumatic printing head up down with guide rail, for convenient replacement the squeegee, flood coater, stencil and screen cleaning.
- ☺ Pneumatic screen frame locking is equipped with check-valve to prevent air pressure elimination to displace stencil positioning. Three devices of fine adjustment frame height are equipped on each frame holder to adapt various screen frame height.
- ☺ New type structure of screen frame carrier, stable holding stencil, fast and easy adjustment.
- ☺ Six printing cycle modes, selectable cycle mode depends upon printing requirement for different substrates, fast and convenient achieving efficient printing.
- ☺ Delay printing : initial printing distance (digital preset) starts with slight pressure coating, and then automatically turns to the preset printing pressure. Such may make squeegee to avoid corners on substrate and prevent to damage squeegee or to tear-off screen mesh.



### **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.

### **SAFETY 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.



## SPECIFICATION :

ITEMS	ATMATIC 60PD	ATMATIC 70PD
Work flow direction	from right to left	from right to left
Printing table height	37.4" + 1.18"	37.4" + 1.18"
Vacuum area	15.75" x 23.62"	23.62" x 27.56"
Vacuum hole size	Ø 0.0787"	Ø 0.0787"
Max printing area	15.75" x 23.62"	23.62" x 27.56"
Min printing area	7.87" x 7.87"	7.87" x 7.87"
Shuttle table speed	59.6"/sec	59.6"/sec
Screen X/Y fine adjustment	±0.39" / ±0.39"	±0.39" / ±0.39"
Substrate thickness	0.07874" to 0.7874"	0.07874" to 0.7874"
Substrate weight	6.6 lb to 17.6 lb	6.6 lb to 17.6 lb
Max screen frame O/D size	27.56" x 33.46"	33.46" x 38.58"
Screen frame height	1" to 1.57"	1" to 1.57"
Screen at stand-by level	1.97"	1.97"
Screen at cleaning level	10.6"	10.6"
Peel-off height	0 to 0.79"	0 to 0.79"
Printing speed (digital setting)	4.9" to 29.5"/sec	4.9" to 29.5"/sec
Printing head bias angle	±8°	±8°
Cycle Speed (full speed, nonstop)	600 P/H	540 P/H
Electrical power	3-phase, 220V/380V, 50/60Hz	
Power consumption	2.96kw	3.08kw
Compressed air pressure	71 to 99.6 psi	
Air exhaustion	0.7 cfm	0.72 cfm
Machine dimension	38.2" x 72.44" x 133.07"	49.6" x 72.44" x 133.46"
Machine weight	2425 lb	3218.7 lb

*CHANGE MAY BE MADE WITHOUT PRIOR NOTICE*



### THREE VIEW DIAGRAM :

