SCREEN PRINTER
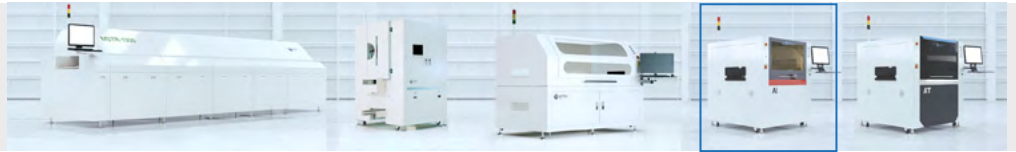MST-A1

FULLY IN-LINE AUTOMATIC SCREEN PRINTER BASIC VERSION

The configuration is simple, reliable, accurate positioning, easy to use, with high accuracy, high stability and highly competitive price.

TECHNICAL DETAILS

- **PCB Max Size**: 400*340mm
- **Repeat Position Accuracy**: ±0.01mm
- **Printing Accuracy**: ±0.025mm
- **2d Inspection**
- **Squeegees**: 2 sets
- **Squeegees size**: 300mm | 520mm
- **Cleaning system**: with vacuum
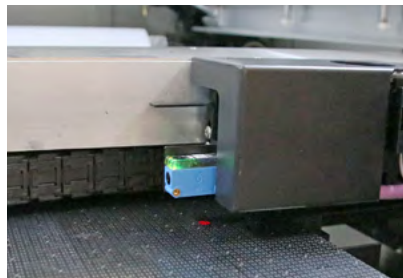
SCREEN PRINTER
MST-A1

FEATURES

SCRAPER SYSTEM

It is applicable for stencils of various sizes. **Automatic stencil positioning** system saves the line changeover time and enhances the overall efficiency.

IMAGE AND OPTICAL SYSTEM

Uniform ring light, high brightness coaxial light and advanced upper/lower vision system. Full range of light compensation, automatic and accurate recognized of all type MARK points. Applicable for tin plating, copper plating, gold plating, tin spraying, FPC and other types PCB with different colors, able to ensure high accuracy.

CLEANING SYSTEM

Stencil cleaning system is automatic and effective. Three options of Dry, Wet and Vacuum cleaning can be selected to use, also clean manually. The unit to clean is separated from CCD camera, which can minimize the load of motor and impulse, improve the positioning precision and speed and extend the service life. Sprinkler system ensures spraying evenly from top to bottom.
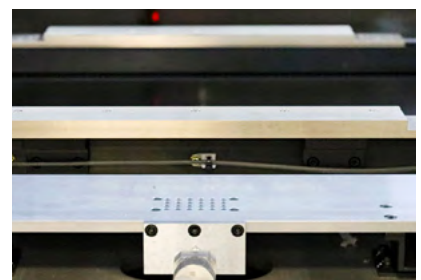
RIGHT SPECIAL PLATFORM CALIBRATION SYSTEM

Three axes linkage is designed with super-high dynamic characteristics. It can **quickly adjust the PIN jacking height of PCB with different thickness.**

OPERATION INTERFACE OPEN TO INDUSTRY 4.0

Using Windows operation interface and **easy to learn for user, with good man-machine interactive function.** Programming is designed with teaching and navigation function; guidance is available on every step. Operating Journal/Breakdown Record/Breakdown Diagnosis.

PCB TRANSPORT & CLAMPING SYSTEM

Unique belt transmission system avoids being stuck or falloff of PCB. Programmable motor controls transport speed and puts PCB in the precise position. Free to choose left or right as the PCB input/output direction. Flexible side clamp and PCB support.

SCREEN PRINTER
MST-A1

TECHNICAL SPECIFICATIONS

Model		A1
Screen Frames	Min Size	470x370mm
	Max Size	737x737mm
	Thickness	25~40mm
PCB Min Size		50X50mm
PCB Max Size		400x340mm
PCB Thickness		0.4~6mm
PCB Warpage		<1%
Transport Height		900±40mm
Transport Direction		Left-Right;Right-Left;Left-Left;Right-Right
Transport Speed		Max 1500mm/s (programmable)
Board Location PCB	Support System	Magnetic Pin/Up-down table adjusted/support block
	Clamping System	Side clamping, nozzle
Printer head		Two independents motorized printheads
Squeegee Speed		6~200mm/sec
Squeegee Pressure		0~15Kg
Squeegee Angle		60°/55°/45°
Squeegee Type		Stainless steel (standard), plastic
Stencil Separation Speed		0.1~20mm/sec (programmable)
Cleaning System		Dry, Wet, Vacuum (programmable)
Table Adjustment Ranges		X: ±10mm Y: ±10mm; θ: ±2°
Machine		
Repeat Position Accuracy		±0.01mm
Printing Accuracy		±0.025mm
Cycle Time		<7s (Exclude Printing & Cleaning)
Product Changeover		<5Min
Air Required		4.5~6Kg/cm2
Power Input		AC:220±10%,50/60HZ 1Φ 3KW
Control Method		PC Control
Machine Dimensions		1220 (L)×1355 (W)×1500 (H) mm
Machine Weight		Approx: 1000Kg

MSTECH
EUROPE

Pursuit of perfection
Innovation | Precision | Performance

DEMOFACTORYCENTER

SPAIN

Pol. Industrial Les Planes, nave 20
08880 Cubelles
Barcelona - Spain

director@mstechcorp.eu

BUSINESSCENTER

**AMERICA - FINLAND - GERMANY
POLAND - PORTUGAL - KOREA - TUNISIA**

---

sales@mstechcorp.eu
services@mstechcorp.eu

DEMOLABCENTER

FRANCE

ZA La Rivoire, 1230
Route de la Porte
38630 Corbelin - France

lab@mstechcorp.eu

INCORPORA TECHNO GLOBAL TECHNOLOGIES | MSTECH EUROPE