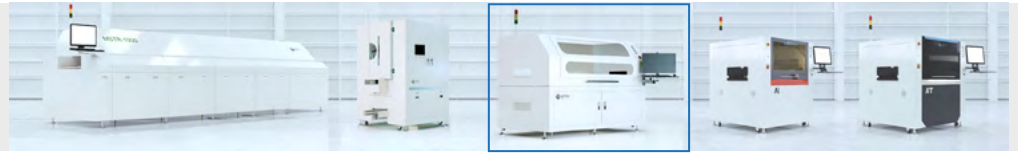


## OTHER MACHINES

### SCREEN PRINTER MST L15



## FULLY AUTOMATIC SOLDER PASTE PRINTING MACHINE

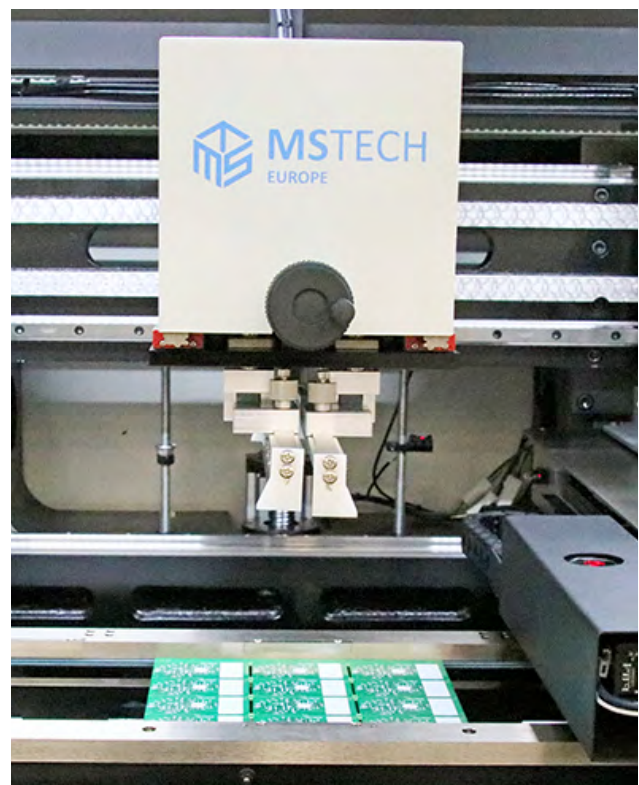
LONG VERSION  
PCB MAX SIZE: 1500X350MM



The **MST L15** automatic solder paste printing machine is suitable for LED PCB printing. With an intelligent printing production mode, the maximum printing area is 1500mm x 500mm. Adapt with unique sprinkler automatic cleaning system.

### TECHNICAL DETAILS

- **PCB Max Size:** 1500X350mm
- **PCB Thickness:** 0.4-6mm
- **Screen Frames:**
  - » Min Size: 737X300mm
  - » Max Size: 1500X750mm
  - » Thickness: 25-40mm
- **Squeegee Speed:** 6-200mm/sec
- **Cleaning System:** Dry, Wet, Vacuum (Programmable)



## OTHER MACHINES

### SCREEN PRINTER MST L15



## FEATURES

### SCRAPER SYSTEM



Print head with the programmable and suspending self-adjusting stepper motor drive. Four-wheel positioning slide type with bilateral double sliders ensures the moving accuracy and stability when scraper is running back and forth. Two sets of separate scraper heads are driven respectively by two high precision stepper motors, ensuring the accuracy and stability of the pressure. The closed loop pressure control system can accurately detect and control the squeegee pressure during real-time production.

### 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 cleaning, Wet cleaning and Vacuum cleaning can be selected to use, both individually and multiply. Clean manually is possible. 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. The software function can control the dosage of alcohol and stencil cleaning paper. Saving more consumables. Vacuum cleaning is supported with a dedicated fan, powerful and effective.

### 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.

### 2D PASTE PRINTING QUALITY TEST AND ANALYSIS



Ensure the quality of product printing. This feature can quickly detect for printing offset, insufficient paste, missing and bridge and other defects.

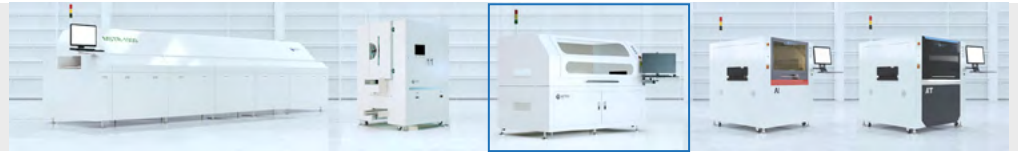
### OPERATION INTERFACE



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

## OTHER MACHINES

### SCREEN PRINTER MST L15



## TECHNICAL SPECIFICATIONS

Model		L15
Screen Frames	Min Size	737X300mm
	Max Size	1500X750mm
	Thickness	25~40mm
PCB Min Size		80X50mm
PCB Max Size		1500X350mm
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 by hand
	Clamping System	Elastic Side Clamp/Z Directional Press
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; Z: ±2°
Machine		
Repeat Position Accuracy		±0.015mm
Printing Accuracy		±0.03mm
Cycle Time		<15s (Exclude Printing & Cleaning)
Product Changeover		<5Min
Air Required		4.5~6Kg/cm <sup>2</sup>
Power Input		AC: 220±10%, 50/60HZ 1Φ 3KW
Control Method		PC Control
Machine Dimensions		2210(L)X1213(W)X1500(H)mm
Machine Weight		Approx: 1500Kg

## TRACEABILITY



PROCESS TRACKER:  
CONNECT TO FIS/MES SYSTEM  
**INDUSTRY 4.0**



BAR CODE & DATA MATRIX  
CODE READER SOFTWARE  
CONNECTION



REAL TIME  
MONITORING



# MSTECH

EUROPE

## Pursuit of perfection

Innovation | Precision | Performance



### DEMOFACTORYCENTER

SPAIN

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

[director@mstechcorp.eu](mailto:director@mstechcorp.eu)

### BUSINESSCENTER

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

[sales@mstechcorp.eu](mailto:sales@mstechcorp.eu)  
[services@mstechcorp.eu](mailto:services@mstechcorp.eu)

### DEMOLABCENTER

FRANCE

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

[lab@mstechcorp.eu](mailto:lab@mstechcorp.eu)



[WWW.MSTECHCORP.EU](http://WWW.MSTECHCORP.EU)

