



SMTfly Electronic Equipment Manufacturing Ltd

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SMTfly-BTB Specification:

Model	SMTfly-BTB
Screen Frames Min Size	470X370mm
Screen Frames Max Size	737X550mm/737X650mm (200~310)
Screen Frames Thickness	25~40mm
PCB Min Size	50X50mm
PCB Max Size	400X310mm
PCB Thickness	0.4~6mm
PCB War page	< 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
Board Location PCB Clamping System	side clamping, vacuum nozzle
Print head	Two independent motorized print heads

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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°
Repeat Position Accuracy	±0.008mm
Printing Accuracy	±0.02mm
Cycle Time	<7s (Exclude Printing & Cleaning)
Product Changeover	<5Min
Air Required	4.5~6Kg/cm ²
Power Input	AC:220±10%,50/60HZ 1Φ 3KW
Control Method	PC Control
Machine Dimensions	1220(L)X1355(W)X1500(H) 1220(L)X2800(W)X1500(H))
Machine Weight	Approx:1000Kg 2000KG

1. Feature:

Hanged arch scraper

Programmable suspension self-adjusting stepper motor drive print head;

Double two sider four wheel slide-type structure to ensure that the scratch accuracy and smoothness when operation;

For the stability of the front and rear scraper pressure , prevent the solder paste outflow and the scrape with elastic; clamping. Also the scrape pressure, lifting speed, printing speed and printing range are adjustable and provide you variety of stripping methods to fit different Panted Circuit Board;

Slide-type scraper system to improve operational stability and extend the service life ,the machine is fully closed scraper pressure feedback and never stop to monitor squeegee pressure to ensure fully solder paste.



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2. Steel mesh location

Universal steel mesh with a good wide applicability;
Using imported SMC cylinder as a steel mesh cylinder;
Embedded SCALE, NEVER FALL off;
Segmented fixed steel mesh frame.

3. Image and optical system

X,Y-Axis use high degree of Japan Kodak grinding screw, both ends of the Japanese Matsushita motor drive;
The internal increase in polarizer get the different MARK point automatic and accurately;
Up , down and coaxial three-way light source using Japanese Toshiba industrial camera.

4. PCB transport and positioning system

Any board direction can acceptable;
Special craft of the inner gear conveyor prevent the board stuck;
Programmable transport speed control makes board more accurate;
Use side clip and vacuum suction chamber, effective clapping PCB to ensure that the PCB and steel mesh between the full smooth contact.

5. Cleaning system

Spray- type cleaning method;
Dry, Wet Vacuum wash any combination;
Separate cleaning structure;
Arc-type cleaning tape;
Cleaning fluid, and steel net cleaning paper controllable.

6. Platform calibration system

UVW platform structure, high precision,rigidity,compact structure;
Three-axis linkage, small size.

7. Base and rack systems

The overall Shape is firm;
Panasonic motor plus Japan original high-precision grinding screw;
High, rigidity of the left and right symmetrical rack structure.

8. Electrical system

Safe and simple circuit air distribution;
The circuit is erected on both sides and rear of machine.

9. Operation system

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Easy to learn , easy to use and with a good man-machine dialogue function;
Do the program file with teaching and navigation functions, each step has a prompt;
One switch between Chinese and English;
With the operation log, fult record analysis and other functions.

10. Other function

Automatic dispensing;
Automatic sweep;
Automatic tinning Closed loop control;
Constant temperature and humidity function steel mesh plugging;
According to the actual needs of customers to customize other.