

## AUTOMATIC MAGAZINE LOADER & UNLOADER



### FEATURES :

- Aluminum Alloy structure to keep machine stable and steady
- PLC + Mirco-computer control to ensure the running stable & reliable
- Touch screen displaying ,easy to operate and user friendly
- Multi-kinds of light and sound alarm function
- The pace of up or down for magazines can be set by PCB thickness

### SPECIFICATIONS:

Description	This machine is adapted to the PCB loading or unloading in the production line of SMT and AI
Magazine Qty.	Standard: 2 material boxes, compact: a feed box
PCB Loading time	About 6 Seconds
Magazine Replacing Time	About 30 Seconds
Pacing Selection	10.20.30.40.50.60 mm, Optional
Power Requirement	AC110/220V ± 10V, 50/60Hz
Air Pressure	4~6 kg/cm2
PCB Thickness	Thinnest 0.4 mm

Name	Size	Model	Dimension (LxWxH)	Magazine Size	Weight
Automatic Loader	M	AK-250LD	1400x700x1250mm	355x320x563mm	170 Kg
	L	AK-330LD	1720x780x1250mm	460x400x565mm	210 Kg
	LL	AK-390LD	1940x840x1250mm	535x460x570mm	240 Kg
	XL	AK-460LD	1940x940x1250mm	535x530x563mm	260 Kg
Automatic Un-loader	M	AK-250ULD	2040x700x1250mm	355x320x563mm	190 Kg
	L	AK-330ULD	2465x780x1250mm	460x400x565mm	230 Kg
	LL	AK-390ULD	2760x840x1250mm	535x460x570mm	270 Kg
	XL	AK-460ULD	2760x940x1250mm	535x530x563mm	300 Kg

## SOLDER PASTE MIXER



### FEATURES & SPECIFICATIONS:

- The machine is operated with a digital timer.
- Suitable to load sealed/closed containers directly.
- The versatile holder can be adjusted to hold different size of containers.
- Suitable to hold two containers simultaneously for improving work efficiency.

Power supply	AC220 V, 50Hz
Size (LxWxH)	435 x 435 x 345 mm
Weight	Approx. 30 kg
Common-rotation velocity	400 RPM/min
Self-rotation velocity	150 RPM/min
Volume capacity	500 g/1000 g
Time of agitation	3-5 min

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### ESTOVIR TECHNOLOGIES

We are available at :

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# ESTOVIR TECHNOLOGIES

## SMT Machines

Model : ETFC 6600-LF

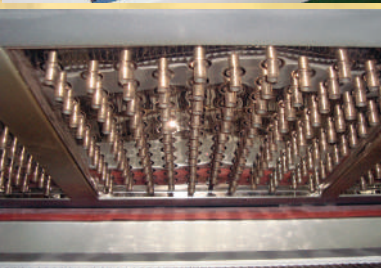


### FEATURES & SPECIFICATIONS:

- PC + PLC Control
- Forced Hot air convection.
- Hot air micro circulation system by Jet Nozzles
- Stainless Steel Wire mesh conveyor
- Pin Chain Conveyor driven on aluminium alloy profiles
- Designed for high rigidity and less distortion
- Central oil reservoir system for chain lubrication

Model	ETFC 6600-LF	ETFC 8800-LF
Heating Zone	6 Top and 6 Bottom	8 Top and 8 Bottom
Heating Zone Length	2400 mm	2800 mm
Dimension	L-3800 W- 900 H-1650 mm	L-4800 W-1100 H-1650 mm
Weight	1400 Kg	2200 Kg
Power Supply	440V AC, 50 Hz, 3 Ph,	440V AC, 50 Hz, 3 Ph,
Power- Start up	34 KW	44KW
Power - Operation	8 KW	12 KW
Heating Time	20 minutes	20 minutes
Control Type	PC + PLC Control	
Heat Type	Upper/Bottom Zones - Forced Hot Air Convection	
Temperature Control	Close Loop PID + SSR	
Temperature Range	Ambient - 350 Degree C	
Temperature Accuracy	+/- 2 Degree C	
Cooling	Cooling Fan - 1 zone	Cooling Fan - 2 zone
Conveyor Type	Stainless Steel Mesh Belt + Pin Chain Conveyor	
Conveyor Height	900 mm +/- 20 mm	
Conveyor Speed	0-1.8 M/min	
Conveyor Direction	Left to Right	
Belt Width	400 mm	
PCB Size	50-300 mm	
PCB Clearance -Height	25 mm	
Solder Type	Lead Free / Leaded Solder	

### LEAD FREE REFLOW SOLDERING MACHINE





SEMI-AUTOMATIC SOLDER PASTE PRINTER



FEATURES :

- PLC Control System to ensure working stabilized & reliable; Touch screen is easy to operate.
- High Rigidity structure and linear rails ensure the stabilities and precision of printing.
- This printer can automatically set the running parameters to comport with all kind of products and get best performance according to different characteristic of glue and solder paste.
- Flexible arming base with the arms can be adjusted toward right or left to match different size of PCB.
- The printing knife can be rotated 45°C upward then fixed to convenient for the clean & replace of knife and stencils. Calibration method is to use the movement of stencil to match with X, Y, Z of printing base

SPECIFICATIONS :

	Model	ET-680-SP	ET-740-SP
Features			
Description	Suitable for printing solder paste and glue for all kinds of thick or thin PCB (Single or Double)		
Power Requirement	220V AC, 50 Hz, 1 Phase		
Power Consumption	100 W		
PCB Thickness Range	0.2 - 3.0 mm		
Fine Adjustment of Platform	+ 0.05 mm		
Respectable Precision	0 0.02 mm		
Air Supply	4 - 6 Kg/cm sq		
Printing Plat form	320 x 500 mm	320 x 500 mm	
Stencil Dimension	370 x 470 to 550 x 650 mm	370x 470 to 736 x 736 mm	
PCB Dimension	320 x 450 mm	320 x 500 mm	
PCB Positioning Method	Positioning Pin	Positioning Pin	
Printing Method	Stencil Movement	Stencil Movement	
Dimension	L-880, W-680, H-1650 mm	L-1000, W 870, H-1650 mm	
Weight	220 Kg	260 Kg	

Inspection Conveyor



Linking Conveyor



Parallel Movement Conveyor



SMT Conveyors

FEATURES :

- The rails width is adjustable by dual shafts to keep it easily and precisely..
- Stable conveying to ensure no PCB jammed.
- Adjustable conveying speed.
- Standard with anti-static work table and lighting.
- Tailor-made the conveyor length and PCB stopping qty.

SPECIFICATIONS :

Description	Adapted to connect the equipment in SMT or AI production line as well as the buffering, inspection, testing or manual insertion of PCB assembly
Power Requirement	220V 50/60 Hz 100W
Convey Height	900 ± 20MM
Length of Rails	1000 mm
Conveying Method	Anti-static flat belt
Conveying Speed	0.5 - 400 mm/min

SPECIFICATIONS :

Name	Dimensions (L x W x H)	Effective PCB Size	Weight
Inspection Conveyors	1000 x 800 x 1900mm	50 x 50 - 460 x 380mm	70 kg
Linking Conveyor Parallel	1000 x 600 x 900mm	50 x 50 - 525 x 400mm	60 kg
Movement Conveyor	1000 x 730 x 900mm	50 x 50 - 460 x 380mm	70 kg