

# Pick and Place Machine Automatic SMT Printer Machine ET-F400

# **Basic Information**

. Place of Origin: **CHINA** . Brand Name: **ETON** CE · Certification: ET-F400 Model Number: • Minimum Order Quantity:

• Price: 3100USD Packaging Details: Wooden box • Delivery Time: 15 days

• Payment Terms: T/T, Western Union 100 Units/ Per Month . Supply Ability:



# **Product Specification**

• Condition: New

Name: Full-automatic Printer

ET-F400 • Product Name: PCB Maximum Size: 400\*340MM

1220(L)X1355(W)X1500(H)MM . Dimension:

Weight:

• Highlight: smt pick and place equipment,

high speed led mounting machine



# More Images



# **Product Description**

### Pick and Place Machine Automatic SMT Printer Machine ET-F400

#### What is the SMT?

SMT is surface mount technology (short for Surface Mount Technology) and is currently the most popular technology and process in the electronics assembly industry.

## The showcase of a automatic SMT line

A whole automatic SMT line include loader, automatic printer, conveyor, pick and place machine and reflow oven, unloader.

## What is the Full-automatic printer?

Modern solder paste printing machines are generally composed of plates, tin paste, embossing, and transmission boards. Its working principle is: firstly, the circuit board to be printed is fixed on the printing positioning table, and then the solder paste or the red glue is printed on the corresponding pad through the steel mesh by the left and right scrapers of the printing machine, and the PCB which is uniformly printed is passed through. The transfer station is input to the placement machine for automatic placement.

## Parameters of automatic printer machine ET-F400

Min Size		Model	ET-F400
Screen         Frames       Max Size       737X737mm         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       Magnetic Pin/Up-down table adjusted/supportblock by hand         Location       Clamping System         Print head       Two independent motorised printheads         Squeegee Speed       6~20mm/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;0:±2°         Machine       +0.01mm         Repeat Position Accuracy       ±0.025mm         Cycle Time       <7s (Exclude Printing & Cleaning)         Product Changeover       <5Min         Air Required       4.5~6Kg/cm²         Power Input       AC	Item		E1-F400
Frames   Max Size   737X/3/mm   Thickness   25~40mm   PCB Min Size   50X50mm   PCB Min Size   400X340mm   PCB Max Size   400X340mm   PCB Thickness   0.4~6mm   PCB Warpage   1%   7ransport Height   900±40mm   Pransport Direction   Left-Right;Right-Left;Left-Left;Right-Right   Left-Right;Right-Left;Left-Left;Right-Right   Left-Right;Right-Left;Left-Left;Right-Right   Max 1500mm/S Programmable   Magnetic Pin/Up-down table   adjusted/supportblock   by hand   Side clamping,vacuum nozzle   Print head   Two independent motorised 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   <7s (Exclude Printing & Cleaning)   Cycle Time   Product Changeover   4.5~6Kg/cm²   Control Method   PC Control	ı	Min Size	370X370mm
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 Max 1500mm/S Programmable  Board Location P Support System Side clamping,vacuum nozzle  Print head Two independent motorised 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;8:±2°  Machine  Repeat Position Accuracy ±0.01mm  Printing Accuracy ±0.025mm  Cycle Time  Product Changeover 4.5~6Kg/cm²  Power Input AC:220±10%,50/60HZ 1Ф 3KW  Control Method PC Control		Max Size	737X737mm
PCB Max Size 400X340mm  PCB Thickness 0.4~6mm  PCB Warpage 1%  Transport Height 900±40mm  Transport Speed Max 1500mm/S Programmable  Board Location P Clamping System Squeegee Speed 6~200mm/sec  Squeegee Pressure 0~15Kg  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;0:±2°  Machine  Product Changeover 4C:20±10%,50/60HZ 1Ф 3KW  Control Method PC Control		Thickness	25~40mm
PCB Thickness PCB Warpage Transport Height PCB Warpage Transport Direction PCB Warpage Transport Direction Transport Speed Board Location PClamping System Clamping System Print head Squeegee Speed Squeegee Pressure Squeegee Angle Squeegee Type Stainless steel(Standard), plastic Stencil Separation Speed Cleaning System Dry, Wet, Vacuum (Programmable) Table Adjustment ranges Machine Repeat Position Accuracy Printing Accuracy Printing Accuracy Product Changeover Air Required Power Input Control Method PC Control  1 %  1 %	PCB Min Size		50X50mm
PCB Warpage Transport Height Transport Direction Transport Speed  Board Location P Clamping System Clamping System Squeegee Speed Squeegee Pressure Squeegee Type Stainless steel(Standard), plastic Stencil Separation Speed Cleaning System Cleaning System Squeegee Pressure Squeegee Type Stainless steel(Standard), plastic Stencil Separation Speed Cleaning System Dry,Wet,Vacuum (Programmable) Table Adjustment ranges Machine Repeat Position Accuracy Printing Accuracy  Cycle Time Product Changeover  Air Required Power Input AC:220±10%,50/60HZ 1Φ 3KW Control Method PC Control	PCB Max Size		400X340mm
Transport Height Transport Direction Transport Speed  Board Location P  Clamping System Squeegee Speed Squeegee Pressure Squeegee Type Stainless steel(Standard), plastic Stencil Separation Speed Stainless steel(Standard), plastic Stencil Spearation Speed Stainless steel(Standard), plastic Stencil Spearation Speed Cleaning System Table Adjustment ranges Repeat Position Accuracy Printing Accuracy  Cycle Time  Product Changeover  Teff: Right: Required Max 1500mm/S Programmable Magnetic Pin/Up-down table adjusted/supportblock by hand Magnetic Pin/Up-down table adjusted Pin/Up-down table Magnetic Pin/Up-down table Magnetic Pin/Up-down table adjusted Pin/Up-down table adjusted Pin/Up-down table Magnetic Pin/Up-down table adjusted Pin/Up-down tops adjusted Pin/Up-down tops	PCB Thickness		0.4~6mm
Transport Direction  Transport Speed  Board Location P  Clamping System Clamping System Squeegee Speed Squeegee Pressure Squeegee Type Stainless steel(Standard), plastic Stencil Separation Speed Cleaning System Table Adjustment ranges Repeat Position Accuracy Printing Accuracy Cycle Time  Transport Direction Left-Right;Right-Left;Left-Left;Right-Right Max 1500mm/S Programmable Magnetic Pin/Up-down table adjusted/supportblock by hand Two independent motorised printheads Squeegee Speed Squeegee Pressure O~15Kg Squeegee Angle Squeegee Angle Stainless steel(Standard), plastic Stencil Separation Speed O.1~20mm/sec Programmable Dry,Wet,Vacuum (Programmable) X:±10mm;Y:±10mm;θ:±2° Machine Repeat Position Accuracy ±0.01mm Printing Accuracy +0.025mm  Cycle Time  Product Changeover <smin 1φ="" 3kw="" 4.5~6kg="" 60hz="" ac:220±10%,50="" cm²="" control="" control<="" input="" method="" pc="" power="" td=""><td colspan="2">PCB Warpage</td><td>1%</td></smin>	PCB Warpage		1%
Transport Speed  Board Location P  Clamping System Clamping System  Print head Squeegee Speed Squeegee Pressure Squeegee Angle Stencil Separation Speed Cleaning System  Table Adjustment ranges  Repeat Position Accuracy  Printing Accuracy  Cycle Time  Transport Speed  Max 1500mm/S Programmable  Magnetic Pin/Up-down table adjusted/supportblock by hand  Two independent motorised printheads  6~200mm/sec  6~200mm/sec  9~15Kg Squeegee Pressure  0~15Kg Squeegee Angle 60°/55°/45° Stainless steel(Standard), plastic  0.1~20mm/sec Programmable  Dry,Wet,Vacuum (Programmable)  X:±10mm;Y:±10mm;θ:±2°  Machine  Repeat Position Accuracy ±0.01mm  Printing Accuracy  ±0.025mm  Cycle Time  Product Changeover  4.5~6Kg/cm²  Power Input  AC:220±10%,50/60HZ 1Φ 3KW  Control Method  PC Control	Transport Height		900±40mm
Board Location P Support System Clamping System Side clamping,vacuum nozzle Print head Squeegee Speed G~200mm/sec Squeegee Pressure Gov/55°/45° Squeegee Type Stainless steel(Standard), plastic Stencil Separation Speed Cleaning System Dry,Wet,Vacuum (Programmable) Table Adjustment ranges Repeat Position Accuracy Printing Accuracy Cycle Time Product Changeover  Marine Air Required Power Input Clamping System Support System Magnetic Pin/Up-down table adjusted Pin/Up-down table adjusted Pin/Up-down table adjusted Nagnetic Pin/Up-down table adjusted Nagnetic Pin/Up-down table adjusted Support System Side clamping,vacuum nozzle Two independent motorised printheads 6~200mm/sec Stainless steel(Standard), plastic 0.1~20mm/sec Programmable 0.1~2	Transport Direction		Left-Right;Right-Left;Left;Right-Right
Board Location P    Clamping System   Side clamping,vacuum nozzle	Transport Speed		Max 1500mm/S Programmable
Clamping System   Side clamping,vacuum nozzle	Location	Support System	adjusted/supportblock
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)		Clamping System	side clamping,vacuum nozzle
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)	Print head		Two independent motorised printheads
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)	Squeegee Speed		6~200mm/sec
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       ±0.01mm         Printing Accuracy       ±0.025mm         Cycle Time       <7s (Exclude Printing & Cleaning)	Squeegee Pressure		0~15Kg
Stencil Separation Speed       0.1~20mm/sec Programmable         Cleaning System       Dry,Wet,Vacuum (Programmable)         Table Adjustment ranges       X:±10mm;Y:±10mm;θ:±2°         Machine       ±0.01mm         Repeat Position Accuracy       ±0.025mm         Cycle Time       <7s (Exclude Printing & Cleaning)	Squeegee Angle		60°/55°/45°
Cleaning System  Dry,Wet,Vacuum (Programmable)  Table Adjustment ranges  X:±10mm;Y:±10mm;θ:±2°  Machine  Repeat Position Accuracy  Printing Accuracy  ±0.01mm	Squeegee Type		Stainless steel(Standard), plastic
Table Adjustment ranges X:±10mm;Y:±10mm;θ:±2°  Machine  Repeat Position Accuracy ±0.01mm  Printing Accuracy ±0.025mm  Cycle Time  Product Changeover  Air Required  Power Input  AC:220±10%,50/60HZ 1Φ 3KW  Control Method  CX:±10mm;Y:±10mm;θ:±2°  Local Accuracy 40.025mm  Accuracy 50.025mm  Accuracy 50.025mm  Accuracy 40.025mm  Accuracy 40.025mm  Accuracy 40.025mm  Accuracy 50.025mm  Accuracy 40.025mm  Accuracy 40.025mm  Accuracy 40.025mm  Accuracy 50.025mm  Accuracy 40.025mm  Accuracy 40.025mm  Accuracy 60.025mm  Accuracy	Stencil Separation Speed		0.1~20mm/sec Programmable
Machine         ±0.01mm           Printing Accuracy         ±0.025mm           Cycle Time         <7s (Exclude Printing & Cleaning)	Cleaning System		Dry,Wet,Vacuum (Programmable)
Repeat Position Accuracy ±0.01mm  Printing Accuracy ±0.025mm  Cycle Time <a href="red">&lt;7s (Exclude Printing &amp; Cleaning)</a> Product Changeover <a href="red">&lt;5Min</a> Air Required <a href="4.5~6Kg/cm²">4.5~6Kg/cm²</a> Power Input <a href="red">AC:220±10%,50/60HZ 1Φ 3KW</a> Control Method <a href="PC Control">PC Control</a>	Table Adjustment ranges		X:±10mm;Y:±10mm;θ:±2°
Printing Accuracy ±0.025mm  Cycle Time   Product Changeover   Air Required  Power Input  Control Method   Accuracy   ±0.025mm  C7s (Exclude Printing & Cleaning)  After Changeover   After Changeover   4.5~6Kg/cm²  Accuracy   ±0.025mm  After Changeover   Accuracy    Accuracy   Accuracy   Accuracy   Accuracy   Accuracy   Accuracy	Machine		
Cycle Time <pre> </pre> <pre> <pre> <pre> <pre> </pre> <pre> <pr< td=""><td colspan="2">Repeat Position Accuracy</td><td>±0.01mm</td></pr<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	Repeat Position Accuracy		±0.01mm
Cycle Time         5           Product Changeover         <5Min	Printing Accuracy		±0.025mm
<5Min	Cycle Time		<7s (Exclude Printing & Cleaning)
Air Hequired         Control Method           AC:220±10%,50/60HZ 1Φ 3KW           Control Method         PC Control	Product Changeover		<5Min
Control Method PC Control	Air Required		4.5~6Kg/cm <sup>2</sup>
	Power Input		AC:220±10%,50/60HZ 1Ф 3KW
100047740554407455577	Control Method		PC Control
Machine Dimensions   1220(L)X1355(W)X1500(H)mm	Machine Dimensions		1220(L)X1355(W)X1500(H)mm
Machine Weight Approx:1000Kg	Machine Weight		Approx:1000Kg

## The FAQ

- Q: What we can do for you?
- A: Total SMT Machines and Solution, professional Technical Support and Service.
- Q: What is your delivery date?
- A: The delivery date is about 20 days after receipt of payment.
- Q: What is your payment terms?
- A: We Accept T/T,L/C, Paypal And Alipay. 30% Deposit And 70% Balance Before Shipping.
- Q: Why choose us?
- A: Leading SMT Supplier in China; Professional after-sales service team.

# Shenzhen Eton Automation Equipment Co., Ltd.

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