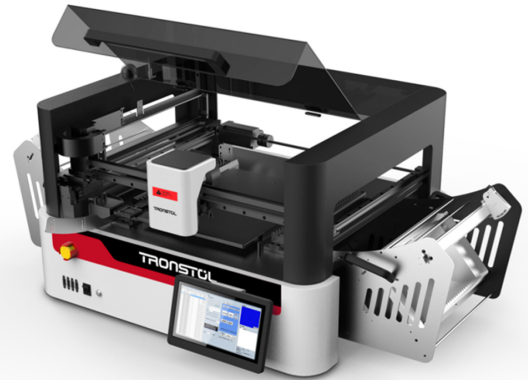# Tronstol E1

www.tronstol.com

Tronstol E1

E1 is a technology platform that can be customized according to your mechanical and software functions. In terms of hardware, it uses CCD laser aerial photography, which greatly improves the actual mounting speed of the machine. It also uses a grating ruler closed-loop system to improve the placement accuracy of the machine. The open source Linux system can realize multi-functional customized development.

Characteristics/

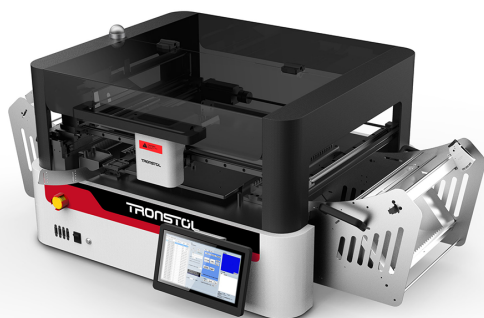| Customized hardware	Open software	Offline programming
You can choose the machine's optional parts:electric rail, camera, mount head, automatic nozzle changer，mounting area, and etc ,even the appearance and size of the machine.	The Linux system can meet your needs for customized software functions, and can match the placement of different application scenarios.	Through the offline software independently developed by Tronstol, you can edit files directly on the computer without occupying the machine. This greatly improves work efficiency.

E1 high-precision desktop pick and place machine

TRONSTOL

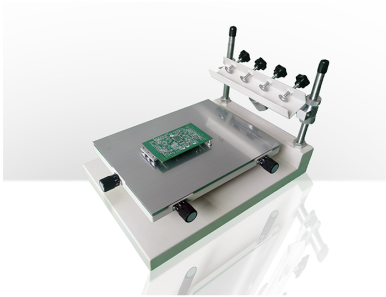| Model	Tronstol E1			
	Entry-level	Standard	Advanced	Flagship
Feeder Capacity	29 all 8mm		58 all 8mm	
Number of heads	2			
Camera	2 laser aerial cameras + 1 Mark camera + 1 IC camera			
Light source configuration	Industrial grade area array light source + Industrial grade ring light source			
Applicable Components	0201 components-26*26mm IC			
XY axis motion control	Stepping servo motor + Grating ruler closed loop control			
Vibration feeder	5(Customization supported)			
Placement accuracy	±0.02mm			
Placement rotation	±180°			
Mounting area	450mm*350mm			
Mounting speed	5000CPH			
Nozzle type	CN030, CN040, CN065, CN100, CN140, CN200, CN400, etc. (Customization supported)			
Attachable components	RC (0201, 0402, 0805, 1201, 1206) QFP, QFN ,etc. LED common lamp beads, etc.			
Feeder bank	Detachable feeder bank			
Support material type	Tape&reel/Tube/IC Tray			
Feeder type	8mm,12mm,16mm,24mm			
Operating system	Linux			
Programmatically	Computer coordinate file import/Manual coordinate file editing, Support offline programming			
Weight	95kgs			
Power	200W			
Electricity supply	AC 110V/220V			
Size	90CM*78CM*54CM			
Three-color warning light	○	●	●	●
CE standard safety shield	○	●	●	●
Built-in air source	○	●	●	●
External air source	●	○	○	○
10.1 Inch display	○	●	●	○
10.6 inch industrial touch display	○	○	○	●
Keyboard and mouse	○	●	●	●
Working Table of E1	○	○	○	●
Video Tutorial	○	●	●	●
Remote support	●	●	●	●
Electric track	All series optional			
Non-standard camera	All series optional			
Non-standard light source	All series optional			
Non-labeled head	All series optional			
Non-standard software	All series optional			

★○ Optional
● Standard

Production line /

Tronstol TP3040 high precise screen printing table,pick and place machine E1 and infrared IC heater MR30 desktop reflow solder those three machines are a perfect combination.This production line meets the needs of various prototypes, small batch production, R&D teams, electronic enthusiasts, etc.

Advantage:

1.The total length of the whole line is less than 2 meters, you can put it in the office, R&D room or at home.

2.This is an economical SMD assembly line, which can help you improve work efficie -ncy and save your time.

3.The powerful software system of the placement machine can help you record produ -ction time and manage production work.

Picture /

TP3040 stencil printer

E1 pick and place machine

MR30 reflow

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