



创思达精密技术
TRONSTOL TECHNOLOGY

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/

Fast setup

Automatic pocket recognition, automatic feeder bank calibration, removable feeder bank and automatic nozzle recognition make the project setup easy and quick.

Open software

The Linux system can meet your needs for customized software functions, and can match the placement of different application scenarios.

Offline programming

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



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	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
CE standard safety shield	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Built-in air source	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
External air source	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10.1 Inch display	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
10.6 inch industrial touch display	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Keyboard and mouse	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Working Table of E1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Video Tutorial	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Remote support	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
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