



fox.

*Compact Automatic Pick-and-Place*



## Specifications

## Fox

Productivity	Max. placement speed / cycle time	5'000 cph / 714 ms
	Speed according IPC9850A	4'500 cph
	Changeover standstill time	< 1 min (loading job, adjust conveyor, restart production)
Feeder	Feeder capacity 8 mm tape	180 (120 inline)
	Feeder type	CLM type, programmable & intelligent cassette feeder
Components	Component size range	0201 - 80x33 mm incl. leads
	Min. lead pitch	0.3 mm (12mil)
	Min. component height	> 0.0 mm
	Max. component height	18 mm (25 mm)
Accuracy	Linear encoder resolution	0.2 µm
	Rotation axis resolution	0.007°
	Placement accuracy (x, y)	50 µm (30)
PCB	Min. PCB dimensions	20x20 mm (50x50 mm inline)
	Max. PCB dimensions	406x305 mm
	PCB thickness	0.5 - 3.5 mm
	Clearance below PCB	40 mm
Dimensions	Footprint without hood	880x1090 mm
	Footprint with hood	1027x1117 mm

## Swiss Made

Essemtec is a leading designer, manufacturer & distributor of electronic manufacturing equipment for electro-mechanical assembly and semiconductor packaging with production facilities in Switzerland.

Essemtec has proudly supported manufacturers with the latest solutions since 1991. We look forward to making you more productive...

Get in touch with us today!

## Essemtec AG

Mosenstrasse 20  
CH-6287 Aesch / LU

Phone +41 (0) 41 919 60 60

Fax +41 (0) 41 919 60 50

E-Mail [info@essemtec.com](mailto:info@essemtec.com)

essemtec.  
swiss made

[my-smt-fox.com](http://my-smt-fox.com)

## small footprint.

- 180 feeder lanes within 1 m<sup>2</sup> production floor
- Machine fits through 90 cm wide door

## linear motor drive.

- High accuracy: 50 µm (3σ) at full speed
- Low maintenance / Long durability

## quick changeover.

- Straightforward software allows easy job changes
- Intuitive CAD import and job preparation

# fox.

*Compact Automatic Pick-and-Place*

## component range.

- Component range from 0201 up to 80x33 mm
- Component height up to 18 mm

## mineral cast.

- Minimized vibration
- Stability at different temperature levels

## combined process.

- Machine handles pick-and-place and dispense applications on one platform

## capacity.

- Placement speed 4,500 cph (IPC 9850A)
- Board size up to 406x305 mm

