

# L-SF40 SMALL BENCHTOP PICK & PLACE MACHINE

Your Economic Solution for:

- Prototyping
- Product Development
- Pilot Manufacturing
- Low Volume Production



## Features:

- Provides the most economical solution in a fully automated pick and place bench-top system
- Capable of placing a wide range of components from 0201 discretes and SOICs to PLCCs and 20 mil pitch QFPs
- Placement rates up to 1800 cph
- Friendly, easy to use Windows® based software
- Tape reels & strips can be set up easily using the unique PIK Strip™ feeders
- 8, 12, 16, 24, 32 & 44mm PIK Strip™ feeders available
- Capable of handling reels, cut tape, stick/tube and loose components.

## Specifications:

MODEL	L-SF40
Max Board Area L-SF40	13.5" x 22" (343 x 560 mm)
Max Travel Area L-SF40	22" (X Axis) x 22" (Y Axis) (560 x 560 mm)
Z Axis Max Travel	1.5" (38 mm)
Board Thickness	0.020" - 0.156" (0.5mm - 4.0 mm)
Typical Verifiable Placement Rate	1200-1800 cph

MODEL	L-SF40
Placement Accuracy	(±) 0.004"
Fine Pitch Capability	Down to 20 mil pitch (0.508 mm)
Smallest Component Capability	0201 packages standard
Largest Component Size	1.378" (35mm) square body
L-SF40 Max no. of Lanes	72 - 8 mm tapes
TPIK-Strip™ Available	8, 12, 16, 24 mm
Tube Feeders (Bulk Also)	8, 10, 14, 18, 24, 32 mm
Matrix Tray Feeders	With Board/Matrix Tray Holders
Component Orientation $\phi$ -axis motion	(±) 360° in 0.18° Step
System Dimensions L-SF40	36" x 38" x 25"h (914 x 965 x 635 mm)
On-the-fly Component Centering	Centering Fingers
Weight	200 lbs (91 Kg)
Board Holding	Edge clamp w/optional Board Support Tooling
Data Entry	Coordinate Entry, "Teach" Mode, CAD Download
Vision System	Color CCD Card Camera
Automatic Tool Changer	4 Position
Operating System	Microsoft Windows
Dispenser Option	Time & Pressure, Clean Dry Air @80 psi required
Power	120 VAC, 50/60 Hz, 220-240 VAC Available
Compressed Air	60 psi required for vacuum
Vacuum Option	Self Contained Compressor, No Air Required.

MACHINE OPTIONS	
L-SF-LD	Liquid Dispenser
L-UCT	CAD Editor Software
L-SF-AFC	Auto Fiducial Recognition
L-TS	Touch Screen with Enhanced Operator Interface
L-SF-SCV	Vacuum - Self Contained
L-SF-SC	Lexan Safety Cover
L-NC4	Extra 4 position nozzle Changer - For 8 Total Positions
L-BHS	Board Support
L-SF-SQ	Low Force Fine Pitch Squaring Station Option

FEEDER OPTIONS	
L-PS8 PIK Strip™	Vibratory Tube/Bulk Feeder
L-PS 12/16 PIK Strip™	4 x 12mm & 2x16mm Tape Lanes
L-PS24 PIK Strip™	4 x 24 mm Tape Lanes
L-MBH	Matrix Tray Holder
L-SS-XX	Dual Lane SuperStrip™ Feeder for Strips Up to 13.5" Long XX Indicates Tape width: 8, 12, 16, 24, 32, 44 and 56 mm