

LE40 BENCHTOP AUTOMATED PICK & PLACE



Model LE 40
Benchtop shown

Features:

- Capable of placing a wide range of components from 0201 discretes and SOICs to PLCCs and 15 mil pitch QFPs
- Placement rates up to 3000 cph
- Friendly, easy to use Windows based software
- Standard self contained vacuum eliminates need for costly external air source
- Short tape strips can be set up easily using the unique SuperStrip feeders
- 8, 12, 16, 24, 32 & 44 mm tape feeders available
- Vibratory feeders for stick/tube fed and loose components
- Provides economical automatic pick and place operation in a benchtop system

Specifications:

MODEL	LE40
Max Board Area LE40	13.5" x 22" (343 x 560 mm)
Max Travel Area LE40	22" (X Axis) x 22" (Y Axis) (560 x560 mm)
Z Axis Max Travel	1.5" (38 mm)
Board Thickness	0.020" - 0.156" (0.5mm - 4.0 mm)
Typical Verifiable Placement Rate	1800-2500 cph
Max Placement Rate	3000 cph
Placement Accuracy	(±) 0.006" (0.15 mm), (±) 0.001" **
Fine Pitch Capability	to 25 mil pitch (0.635 mm), 15 mil pitch (0.381mm)**
Smallest Component Capability	0603 packages standard, 0201s**
Largest Component Size	1.378" (35mm) square body †
LE40 Max no. of Feeders (8mm tape)	64 (with Bank Feeders: 96)
Tape Feeders	8, 12, 16, 24 mm (Electrical)
Tube Feeders (Bulk Also)	8, 10, 14, 18, 24, 32 mm (Manual Freq. Control)
Matrix Tray Feeders	With Board/Matrix Tray Holders
Component Orientation θ -axis motion	(±) 360° in 0.18° Step
System Dimensions LE40	40" x 42" x 25"h (1016 x 1067 x 635 mm)
Laser Centering Option	Touchless Cyberoptics® Laser
Standard Centering	Centering Fingers - 1 Set Mounted on Head
Weight	250 lbs (114 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	Syringe Holder Type
Power	120 VAC, 50/60 Hz, 220-240 VAC Available
Vacuum Option	On-Board Compressor Standard
Compressed Air	Shop Air Required for Dispenser Option Only, 60 psi
Low-Force Fine Pitch Squaring Station	L-SQ

MACHINE OPTIONS	
L-CL	Cyberoptics® Centering Laser
L-LD	Liquid Dispenser
L-GS	Linear Encoders
L-UCT	CAD Editor Software Option
L-AFC	Auto Fiducial Recognition
L-TS	Touch Screen with Enhanced Operator Interface

FEEDER OPTIONS*	
L-VF	Vibratory Tube/Bulk Feeder
L-T (Tape Feeders)	8, 12, 16, 24, 32 & 44 mm
L-BH-12 (Bank Feeder)	12 Lane Bank Feeder for 8mm Tapes
L-MBH	Matrix Tray Holder
L-SS-XX	Dual Lane SuperStrip™ Feeder for Strips from 1" to 12" Long XX Indicates Tape width: 8, 12, 16, 24, 32, 44 and 56 mm

* Custom options, nozzles and feeders available - Contact Factory

** with L-GS Option (Linear Encoders)

†Max Size with Cyberoptics centering laser option: 30mm square (1.18" square)