



Model LE 40
Benchtop shown

Features

- Capable of placing a wide range of components from 0201discretes 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

Max board area **LE40** 13.5" x 22" (343 x 560 mm)
 Max travel area **LE40** 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 1800-2500 cph
 Max placement rate 3000 cph
 Placement accuracy ±0.006" standard, ±0.001" **
 Fine pitch capability to 25 mil pitch (0.635mm), 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 Ø-axis motion ± 360° in 0.18° step
 System dimensions **LE40** 38" x 38" x 21"h (965 x 965 x 533 mm)
 Laser centering option touchless Cyberoptics® laser
 Standard centering Centering fingers - 1 set mounted on head

Weight **LE40** 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, 50/60Hz, 220-240 VAC available
 Vacuum on-board compressor standard
 Compressed air Shop air required for dispenser option only, 60 psi
 Low-force fine pitch squaring station L-SQ

Machines

MODEL **LE40** Auto pick & place (13.5 x 22" boards, 64 feeder positions)

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-BF-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)

