



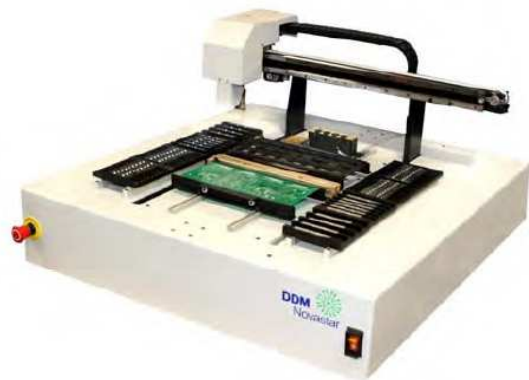
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ECONOMICAL AUTOMATED PICK AND PLACE

L-SF40 Benchtop Automated Pick & Place

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 discrettes 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 & 44 mm PIK-Strip™ feeders available
- Capable of handling reels, cut tape, stick/tube and loose components

Specifications

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 thickness0.020" - 0.156" (0.5mm - 4.0 mm)
 Typical verifiable placement rate 1200-1800 cph
 Placement accuracy ±0.002"
 Fine pitch capability down to 20 mil pitch (0.508mm)
 Smallest component capability 0201 packages standard
 Largest component size 1.378" (35mm) square body
 L-SF40 max no of lanes72 - 8mm tapes
 PIK-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 Ø-axis motion ± 360° in 0.18° step
 System dimensions L-SF-40 ... 36" x 38" x 25"h (914 x 965 x 635 mm)
 On-the-fly component centering Centering fingers

Weight L-SF40 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, 50/60Hz, 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™ 9x 8mm tape lanes
 L-PS12/16 PIK-Strip™ 4x 12mm & 2x16mm tape lanes
 L-PS24 PIK-Strip™ 4x 24mm 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