

LS40V Pick and Place Machine with Vision



Brand: DDM Novastar
Product Code: 013803049541
Availability: In Stock
Weight: 0.00kg
Dimensions: 1,016.00mm x 1,067.00mm x 1,336.20mm

Short Description

Premium model with unmatched precision for low to medium production runs utilizing Cognex Vision system.

Description

The LS40V is our most popular model with Vision. The LS40V offers technologically advanced features with a 13" x 22" (330 mm x 559 mm) work area, 56 single feeder positions (up to 84 feeders using bank feeders) where quick setup, ease of operation and high reliability are paramount.

- The highest quality with the most advanced equipment at a cost-effective solution
- Accuracy $\pm .001''$ (0.025 mm)
- Placement rates up to 4800 cph
- The best GUI (graphical user interface) in its class using Windows®-based software allows programming in minutes
- Accurately place, manager, and track components with [SMTrue™ Smart Feeders](#)
- Up to 56 tape feeders, 84 8 mm tape feeders with bank feeders
- Accurately places a wide range of components including 0201s, LED's, BGAs, 15mil pitch QFPs, SMT Connectors and many others
- Servo driven, position feedback from a 2 micron linear scales coupled with a precision placement head
- Integrated on-the-fly component centering using Vision (Cognex®), Laser Technology (Cyber-optics®)(*Optional*) or Mechanical fingers
- Cut tape, loose, tube, or tray feeders

Specification

Pick and Place Machines	
Dispenser Option	Up to 10,000 dots/hour
Fine Pitch Capability	To 15 mil pitch (0.381 mm)
Largest Component Size	2.00" (50 mm sq.)
Laser Centering	Touch-less Cyber-optics® laser (OPTION ONLY)
Matrix Tray Feeders	With Board/Matrix tray holders
Max Board Size	13.5" x 22" (343 mm x 560 mm)
Max No. of Feeders (8 mm Tape)	56
Max No. of Feeders with L-GB-12 Bank Feeders	84
Max Placement Rate	4800 cph
Max Travel Area	22" (X axis) x 22" (Y axis) (560 mm x 560 mm)
Overall Dimensions	40" x 42" x 53" (1016 mm x 1067 mm x 1336.2 mm)
Placement Accuracy	± 0.001" (0.025 mm)
Smallest Component Capability	0201 components
Tape Feeders	8, 12, 16, 24, 32, 44 mm (electrical)
Typical Verifiable Placement Rate	2500-3600 cph
Vibratory Feeders	Loose, tube, stick (frequency & amplitude control)
Vision System	Cognex® Vision