

# 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