

CS40 BENCHTOP AUTOMATED PICK & PLACE

Gold-Place™



Model CS40 shown with bank and vibratory stick feeders

Features

- Provides affordable automatic pick and place operation in a benchtop system
- Individual 8, 12, 16, 24, 32 & 44 mm & 12 lane 8mm tape bank feeders available
- Inserts available for stick/tube/loose components in a vibratory feeder for SMT components including discretes, 0603s, SOICs, PLCCs, QFPs, and BGAs
- Easy to set up, easy to program and easy to use with Windows™ based software
- Optional convenient SuperStrip™ feeders for short tape strips
- System includes 4 position nozzle changer for most SMT component sizes
- Placement rates up to 2100 cph
- Includes 15" flat screen monitor

Specifications

Max board area	13.5" x 22" (343 x 560 mm)
Max travel area	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	1000-1800 cph
Max placement rate	2100 cph
Placement accuracy	± 0.006" (0.15mm)
Fine pitch capability	to 25 mil pitch (0.635mm)
Smallest component capability	0603 packages
Largest component size	1.378" (35mm) square body
Max no. of feeders, 8mm tape width	64 (individual), 96 (bank)
Individual tape feeders	8, 12, 16, 24, 32 & 44 mm (Electrical)
Vibratory feeders	loose, tube, stick (Freq. & amplitude control)
Matrix Tray Feeders	with Board/Matrix tray holders
Component orientation G-axis motion	± 360° in 0.90° step
CS40 System dimensions	38" x 38" x 21" h (965 x 965 x 533 mm)
Centering	Centering fingers/squaring station

Weight	200 lbs (114 kg)
Board holding	Edge clamp w/optional board support tooling
Data entry: coordinate entry, "teach" mode with color CCD camera, CAD download	
Vision system	Color CCD card camera
Automatic 4 position tool changer	additional changer optional
Operating system	Windows™
Dispenser option	Time & pressure, clean dry air @ 80 psi required
Powder	120 VAC, 50/60Hz, 220-240 VAC available
Compressed air	60 psi required for vacuum and dispenser option
Low-force fine pitch squaring station (L-SC)	dual routines
Vacuum option	Self contained compressor, no air required

Machine Options*

L-NC4	Extra 4 position nozzle changer - for 8 total positions
L-LD	Liquid dispenser
L-BHS	Board support
L-UCT	CAD editor software option
L-SCV	Vacuum - self contained

Feeder Options

L-VF	Vibratory tube/loose feeder - option
L-T (tape feeders)	8, 12, 16, 24, 32, & 44 mm - option
L-MBH	Matrix tray holders (set of 2) - option
L-SS-XX	Dual Lane SuperStrip™ feeder for strips from 1" to 12" - option
	XX indicates tape width: 8, 12, 16, 24, 32, 44, and 56 mm
L-GB-12	12 lane bank feeder for 8 mm tapes
L-GBRH-12	Reel holder for L-GB-12 bank feeder

*Custom options, nozzles and feeders available - contact factory.

APS NOVASTAR LLC®
MANUFACTURER OF SMT ASSEMBLY SYSTEMS