

MC392 Mid-Volume Pick & Place



Placement Specifications

Number of Placement Heads	2
Placement Rate (IPC-9850)	5,500 CPH
Placement Rate (Max.)	6,400 CPH
Placement/Positioning Accuracy	±0.03 mm
Feeder Capacity (8mm/12mm)	160 (Machine configuration dependent)
IC Tray Capacity (Waffle Trays)	4
Placement Area w/o Waffle Tray with No Conveyor	600 x 350 mm
Placement Area with Waffle Tray with No Conveyor	600 x 330 mm

Placement Area w/o Waffle Tray with Conveyor	650 x 315 mm
Placement Area with Waffle Tray with Conveyor	650 x 300 mm
BGA/CSP Placement Capability	Yes
Alignment Method	Cognex Vision on the Fly
Nozzle Change Capacity	14
Integral Vacuum	Yes
Min. Component Size	01005
Max. Component (Using head camera)	16 x 14 mm
Max. Component (Using bottom camera)	150 x 100 mm
Max. Component Lead Pitch	0.3 mm

Mechanical Specifications

X/Y Axis Resolution	0.005 mm
X/Y Drive Mechanism	Ballscrew
X/Y Drive Motor	AC Servo
X/Y Encoding	Rotary Encoder
X/Y Resolution	0.005 mm
X/Y Repeatability	±0.01 mm
Z Drive Motor	AC Servo
Z Encoding	Rotary
Z Axis Resolution	0.01 mm

R Drive Motor	DC Servo
R Encoding	Rotary
R Resolution	0.045°
Rotation 0-360°	0.09%/step

PCB Specifications

PCB Loading	Manual Batch Mode, 3-Stage Inline Conveyor or 2-Stage Long Board Conveyor
Fiducial Recognition/Coordinate Correction	Yes
Bad Mark Detection	Yes

Programming

Operating System	Industrial PC with Windows® 11
PC, Keyboard, Mouse	Yes
Monitor	Flat LCD
Direct Input	Yes
Teaching Camera	Yes
CAD Download	Yes
Step & Repeat for Matrix Boards	Yes
Bar Code Reader for Feeders & Packaging	Option
MIS & Optimization Functions	Yes
Off-line Programming	Option

Dispenser Specifications

Dispensing Head	N/A
Dispense Method	N/A
Dot Size	N/A
Placement Speed	N/A

Power Sources

Power Supply	200-230 VAC
Power	2500W
Air Supply	80psi, 8cfm

Physical Specifications

Machine Dimensions (Approx. L x W x H)	1190 mm L x 1140 mm W x 1346 mm H (47" x 45" x 53")
Weight	1213 lbs (550kg)

Service and Support

Remote Diagnostics	Yes - TeamViewer via Internet
Warranty (Major Components)	1 Year - Extended Available

Contact

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