

High-Speed Chip Placer

CP-742E



CP-742ME

0.068 sec./shot ultrahigh-speed mounting
Unbeatable 0.7 sec./PCB loading time.
The CP-7-series machine for large PCBs.

Based on the CP-732E, the CP-742E is a high-speed chip shooter designed specifically for handling larger PCBs. In line with the larger PCB size, the machine supports the simultaneous loading of up to 140 part types (80 on the CP-742ME), a considerable increase in comparison to the 60 part types on the CP-732E. As with its sister machine, the CP-742E uses a Pallet Change Unit (PCU) for gang changeover, not only enhancing operability, but also substantially reducing changeover time.



CP-742E



CP-742ME

Features

- Large Board Capability
- Large Component Capability
- Placing speed of 0.068 sec./shot.
- Lower cycle times with double PCB loading.
- PCB loading time of 0.7 sec./PCB using the double PCB loading system.
- ± 0.066 mm (3σ) accuracy
- Batch feeder exchange
- Adjustable pick-up height
- Space efficient compact design
- Mounting Bulk feeders.
- Touch Screen

Options

- Handy Terminal
- HELPS (computerized job change assistance system)
- Shock free back-up

Specifications

	CP-742E	CP-742ME
PCB dimensions	Max.: 457mm X 356mm Min.: 50mm X 50mm t = 0.3 to 4.0mm (Support for boards with thickness of less than 0.5mm and greater than 5 mm will be provided as an option)	
Component capacity	Up to 140 types (8 mm tape)	Up to 80 types (8 mm tape)
PCB loading time	0.7 sec. / PCB with double PCB loading 1.4 sec. / PCB with single PCB loading Loading time does not include XY-table movement. Double PCB loading is possible for PCBs up to 220 mm in length	
Placing Rate	0.068 sec. / component under the following conditions. 1. XY-table movement within 14.2 mm 2. Z-axis movement within 1.19 mm 3. No component supply table movement 4. No limitation on component rotation 5. 100% cam speed 6. Nozzle indexing up to 1 pitches	
Placing accuracy (fiducial mark reference)	± 0.066 mm (3σ) and ± 0.132 mm (6σ) in the X-and Y-directions.	
Applicable components	0603 (in. 0201) to 19 x 20 mm Parts height up to 6 mm	
Power	3-phase, 200 to 480 VAC, 10kVA	
Machine dimensions	L: 4700 mm W: 1800 mm H: 1714 mm (H: excluding signal tower) Conveyor length: 2820 mm	L: 2820 mm W: 1800 mm H: 1714 mm
Weight	Approx. 6300 kg	Approx. 4850 kg
Air supply	0.5 MPa (5 kgf / cm ²), 46 Nℓ / min.	

SECS / GEM Support