Multi-Function SMD Mounter

QP-341E-MM

CE

QP-351E-MM

Highly flexible mounter building on a tradition of high accuracy. Compact and straightforward design high throughput to footprint efficiency.

The QP-341E-MM and QP-351E-MM is ideally suited for positioning after a high-speed chip shooter as a fine pitch mounter, or used in a multiunit, multipurpose line for placing anything from odd-form components to flip chips.

QP-341E can be used for small or large scale production because of its compactness and excellent line configurability.

Configure the production line to suit your throughput requirements, and the kind of parts to be placed.

Slim frame occupies the minimum of floorspace.

Features

- Minimum space and maximum output.
- Durability and reliability Designed for High Rigidity.
- Placing head
- Camera Specifications
- Multiple light-source unit
- Nozzle Station
- Glue Dispensing Unit
- Feeder Unit
  - Multi-Feeder Unit (MFU-6E)
  - Power Feeder Unit (PFU-3E)
  - Multi-Tray Unit (MTU-8E and 9E)
- Splicing for paper and embossed tape.
- Placing Pressure Control
- Device Station selection
- Features of QP-351E-MM

Options

- Kitting station (under development)
- HELPS (computerized job change assistance system)
- Placing pressure control
- Automatic tape cutter
- Tape splicer
- Handy Terminal
- Mechanical chuck

SECS / GEM Support

Specifications

	QP-341E-MM	QP-351E-MM
PCB dimensions	Max.: 457mm X 356mm Min.: 80mm X 50mm Thickness: 0.5 to 4.0mm	Max.: 508mm X 457mm Min.: 150mm X 100mm Thickness: 0.5 to 4.0mm
	(PCBs of less than 0.8mm in thickness, please contact your Fuji agent.)	
Component capacity	Up to 48 types (Up to 96 types using 8 mm tape on double channel feeders.)	
Placing Rate	0.5 sec. /component under ideal operating conditions	
Fiducial mark reading time	Approx. 0.5 sec. /mark (assuming 1.2 mm dia. mark with no movement between marks and compensation for error in mark shape or position)	
Placing accuracy (using fiducial marks)	±0.066 mm (3 σ) / ±0.132 mm (6 σ) (for rectangular chips) ±0.066 mm (3 σ) / ±0.060 mm (6 σ) (for QFPs, etc.) (excluding 0603s (in 0201))	
Applicable components	EIAJ (EIA) standard tape, stick, tray Tape : 8, 12, 16, 24, 32, 44, 56, 72 or 88 mm Stick : 7 to 28 mm, 25 to 48 mm Tray : 160 x 330 mm, 335 x 330 mm (contact Fuji for details of the STU)	
Power	3-phase, 200 to 480 VAC, 2.5 kVA	
Air supply	0.5 MPa (5 kgf / cm^2), 150 N ℓ / min. (750 N / min.: during tray ejection)	
Machine dimensions	L: 835 mm W: 2050 mm H: 1549 mm (H: excluding signal tower) conveyor: 837 mm	L: 916 mm W: 2050 mm H: 1549 mm (H: excluding signal tower) conveyor: 918 mm
Weight	QP-341E : approx. 1,800 kg	QP-351E : approx. 2,050 kg
	MFU-6E: Approx. 162 kg (including cutter approx. 180 kg) PFU-3E: Approx. 172 kg (including xutter approx. 190 kg) MTU-8E: Approx. 360 kg MTU-9E: Approx. 360 kg	

Die Mounter

QP-341E-DM

CE

QP-351E-DM

A multi-functional, high-accuracy mounter for the complete handling of die and flip chip components. Compact and straightforward design high throughput to footprint efficiency.

The QP-341E-DM and QP-351E-DM allows for the complete handling of die/flip chip components from pick-up and inspection, to final placement. The machine also supports flux application.

QP-341E can be used for small or large scale production because of its compactness and excellent line configurability.

The newly developed LED lighting system , with improved bump detection accuracy and 100% detection of missing bumps, allows placement of high accuracy flip-chips.

With the attachment of a RADDS-300.
(Random Access Die Delivery System) (optional unit)

- Minimum space and maximum output.
- Durability and reliability Designed for High Rigidity.
- Placing head
- Camera Specifications
- Fluxing Units
- Feeder Unit
  - Multi-Feeder Unit (MFU-6E)
  - Power Feeder Unit (PFU-3E)
- Die Delivery Unit
- Device Station selection
- Splicing tools

	QP-341E-DM	QP-351E-DM
PCB dimensions	Max.: 457mm X 356mm Min.: 80mm X 50mm Thickness: 0.5 to 4.0mm (PCBs of than 0.8	
Component capacity		
Placing Rate		
Placing accuracy (using fiducial marks)		
Applicable components		
Power		

Options

- Kitting station (under development)
- HELPS (computerized job change assistance system)
- Placing pressure control
- Automatic tape cutter
- Tape splicer
- Handy Terminal
- Mechanical chuck
- Die delivery System