

# XP-241E



# XP-341E



The XP-241E and 341E is a multipurpose, high-speed, high-precision compact mounter using Fuji's new Full Vision system.

- Wide handling range, from 1005s (in. 0402) to parts of up to 150 mm long.
- 100% bump detection for components such as CSPs and BGAs.
- Supports the supply up to 40 component types on tape or stick feeders, and up to 20 component types on trays.
- Mechanical chuck supported.
- Compatible with mechanical feeders used on IP-series, and QP-242E machines.
- Supports the creation and editing of production programs at the machine, and allows the user to "teach" the machine fine adjustments.
- The XP-241E is a powerful machine in its own right. However, when installed next to the high-speed **XP-141E** boost machine, users can configure a system with excellent cost-performance.
- Newly developed **XP-341E** are MFU attached at both sides of the machine.

## Features

- Minimum space and maximum output.
- Wide range of components
- V<sup>2</sup> nozzle
- Direct Motion Mounter (DMM)
- MS algorithm
- Production programs
- Multi-Feeder Unit (MFU-X20E)
- Tray Unit

- Options**
- Multi-Feeder Unit
  - Vacuum Back-up Pins
  - Mechanical chucks
  - Special nozzles
  - Tape Feeders
  - Stick Feeders
  - Coplanarity check
  - MCS-X (under development)

## Specifications

	XP-241E	XP-341E
<b>PCB dimensions</b>	Max.: 457mm X 356mm Min.: 80mm X 50mm Thickness: 0.8 to 4.0mm (0.5mm: option)	
<b>Component capacity</b>	Front (feeders): Up to 40 types (using 8 mm tape feeders.) Rear (trays): 10 types on 10 shelves 20 types on 10 shelves	Front (feeders): Up to 80 types (using 8 mm tape feeders.)
<b>PCB loading time</b>	4.2 sec.	
<b>Placing Rate</b>	0.4 to 0.6 sec./component (rectangular chips/small odd-form components) 0.7 to 1.5 sec./component (ICs)	
<b>Placing accuracy (using fiducial marks)</b>	± 0.066 mm (3 $\sigma$ ) for odd-form and small components, SOIC, PLCC, BGA, CSP etc. ± 0.03 mm (3 $\sigma$ ) for quad packs	
<b>Applicable components</b>	1005 (in. 0402) to 5 x 4 mm, up to 3 mm in height	
<b>Power</b>	3-phase, 4 kVA	
<b>Air supply</b>	0.49 MPa, 200 N $\ell$ / min.	
<b>Machine dimensions</b>	L: 1500 mm W: 1560 (2477) mm (W: including MFU) H: 1409 mm (H: excluding signal tower)	L: 1500 mm W: 1560 (2477) mm (W: including MFU) H: 1409 mm (H: excluding signal tower)
<b>Weight</b>	Main body: approx. 2,000 kg	Main body: approx. 1,800 kg