

Machine Configuration

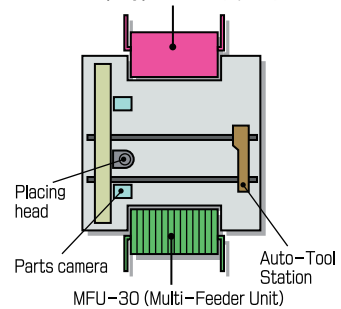
XPF-L (Versatility)

● Specification 1

Dual Clamp

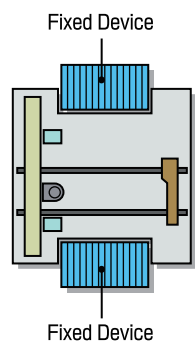
• Device selection

- MFU-30 (Multi-Feeder Unit)
- BTU-A (Board Tray Unit)
- MTU-A (Multi-Tray Unit)
- Clamp Type Cover (Option)



● Specification 2

Dual Fixed

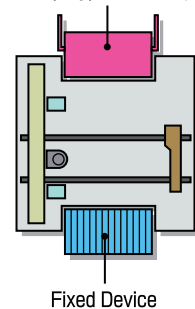


● Specification 3

Fixed-Clamp

• Device selection

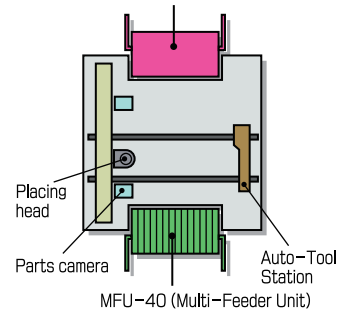
- MFU-30 (Multi-Feeder Unit)
- BTU-A (Board Tray Unit)
- MTU-A (Multi-Tray Unit)
- Clamp Type Cover (Option)



XPF-W (Large PCB support)

• Device selection

- MFU-40 (Multi-Feeder Unit)
- BTU-AII (Board Tray Unit)
- MTU-AII (Multi-Tray Unit)



Parts Supply Units



● MFU-30
Feeders: 50
(WB feeders)

● MFU-40
Feeders: 64
(WB feeders)



● BTU-A/BTU-AII
Trays: 6 types
(stacking is possible)



● MTU-A/MTU-AII
Trays: 2 types x 10 slots
Feeders: 20 (WB feeders)
Single Nozzles: 7

Machine Specifications	Revolver Auto-Tool	Single Nozzle	Glue Auto-Tool
Number of nozzles	12	1	Number of syringes loaded: 1 syringe per glue station
Number of auto-tools held in auto-tool station	2 (XPF-L) / 3 (XPF-W)	6 (XPF-L) / 8 (XPF-W) (One Tray Height Measurement Auto-Tool is held when using trays)	Number of feeder slots occupied: 6 (MFU-30) / 8 (MFU-40) (Fixed loading position - up to 4 glue auto-tools can be loaded)
Supported parts	0402 (01005) to 20 x 20 mm Maximum height: 3.0 mm	1005 (0402) to 45 x 150 (68 x 68) mm Maximum height: 25.4 mm	Loading side: Side 1 (MFU-30/40 or fixed device)
Machine tact	XPF-L: 0.144 sec/component 25,000 cph XPF-W: 0.145 sec/component 24,800 cph	0.40 sec/component 9,000 cph 0.418 sec/component 8,600 cph	Dispense tact: 0.2 sec/shot
Placing accuracy	Small chip parts: ±0.050 mm cpk ≥ 1.00, ±0.066 mm cpk ≥ 1.33 QFP parts: ±0.040 mm cpk ≥ 1.00, ±0.053 mm cpk ≥ 1.33	±0.040 mm cpk ≥ 1.00, ±0.053 mm cpk ≥ 1.33 ±0.030 mm cpk ≥ 1.00, ±0.040 mm cpk ≥ 1.33	Dispense position accuracy: ±0.1 mm cpk ≥ 1.00
PCB size (L x W)	MAX. 457 mm x 356 mm Thickness 0.4(0.3) to 5.0 mm(XPF-L) / 686mm x 508mm Thickness 0.4 to 6.5 mm(XPF-W) MIN. 50 mm x 50 mm		
PCB loading time	1.8 seconds(XPF-L) / 3.5 seconds(XPF-W)		
Machine dimensions	Machine body XPF-L: 1,500 kg / XPF-W: 1,860 kg MFU-30: 260 kg(with WB feeders loaded) MFU-40: Approx.240 kg(with WB feeders loaded) BTU-A/BTU-AII: Approx.120 kg MTU-A/MTU-AII: Approx.615 kg(with trays/feeders loaded)		

Parts Packaging

• Tape parts (JIS standard, JEITA), stick parts, tray parts

Options

- Stick Feeder
- Wide fiducial camera
- Dip Flux Unit
- Reel Set Stand (within the main machine)
- Lead Coplanarity check
- Custom Nozzles and Mechanical Chucks
- Fujitrax

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High-Speed
Multi-Purpose Mounter

XPF

Versatility

XPF-L

Large PCB support

XPF-W

The XPF is the first machine in the world to realize "dynamic head exchange" and achieve "borderless optimization".
Line throughput is improved dramatically.



High-Speed Multi-Purpose Mounter

The XPF-series is a new generation of compact, high-speed and versatile placing machines

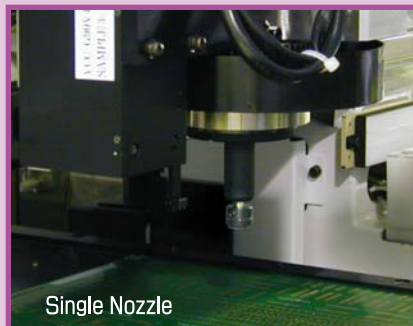
XPF

Versatility **XPF-L**
Large PCB support **XPF-W**

Main Features

●Auto-Tool

Thanks to the dynamic head exchange function, each head can be used to the maximum potential, preventing drops in operating efficiency. Auto-tools are exchanged in less than one second. (Revolver Auto-Tool, Single Nozzle)



Glue Auto-Tool

- The glue auto-tool is used for occasional dispensing of glue, preventing increases in the length and cost of the line incurred by the acquisition of a dedicated dispensing machine.
- Glue dispensing is used to secure parts or for marking the panel, without having to worry about drops in operating efficiency.
- A glue station (for maintaining glue temperature) and a glue check unit (for applying glue) are required when dispensing glue.

* Glue application unit (Option)

●Fuji Intelligent Feeder

- The XPF employs the same type of feeder used on the NXT/NXT II, AIM.
- Support for functions such as preventing setting of incorrect parts on feeders, parts out warnings, and feeder management is available when used in conjunction with Fujitrac (Verifier).
- A single feeder can support tape of different material (paper/embossed), thickness and pitch.
- Single feeder with reel holder attached for easy handling.



●Board Tray Unit (BTU-A/BTU-A)

A tray unit offering superb cost performance. Status of tray parts can be checked a single glance from outside the machine, and the tray unit can be removed from the machine in order to resupply trays-all while the machine is operating.

- Up to six tray types can be loaded (up to five types for JEDEC standard trays)
- Stacking of trays is possible up to 32 mm
- Offers a capacity rivaling that of a small magazine-type tray unit



●Units for Glue Dispensing

Glue Station

- Glue temperature adjustment by self-diagnosis during automatic operation.
- Glue volume checking
- Max.4 stations per machine
- Occupies 8 slots (MFU-40)
- Occupies 6 slots (MFU-30)



Glue Check Unit

- Glue trial dots
- Dot size checks
- Auto take-up of roll paper
- Occupies 7 slots (MFU-40)
- Occupies 5 slots (MFU-30)



* A Glue Station (for maintaining glue temperature) and a Glue Check Unit (for applying glue) are required when dispensing glue.

●PCB Backup

Soft Backup Pins

Absorbs impacts to panels during parts placement. These can also be used with panels that are difficult to support with standard backup pins. This provides powerful support for high-density parts mounting.



Auto Backup Pins

Can be positioned anywhere on the backup plate. Pins are automatically positioned, checked and fine-adjusted. This drastically reduces the time required for changeover.



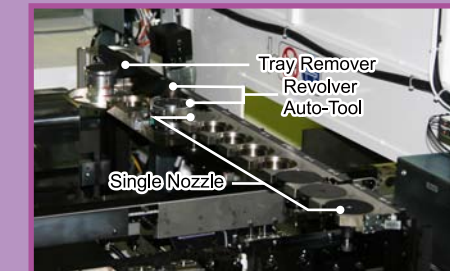
*Auto back-up pin function(Option)

XPF-W Features

●Auto-Tool Station

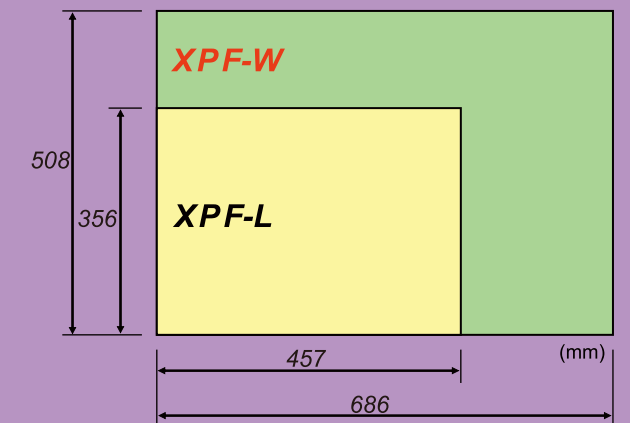
The capacity of the Auto-Tool Station has been increased. Supports a larger number of part placements at a single machine.

Type	Capacity		XPF-W
	Standard	Option	
Revolver Auto-Tool	2	3	3
Single Nozzle, Mechanical Chuck	6	5	8
Tray Remover	1	1	1



●Larger panel sizes can be used

The applicable panel size has increased and large panels are now supported. Also, heavy panels can be conveyed. A panel or pallet with a maximum weight of 6 kg can be conveyed.



●More parts can be placed

A maximum of 128 part types can be loaded on the machine when a Multi-Feeder Unit which has been expanded to 64 feeder slots is set at both sides of the machine.

