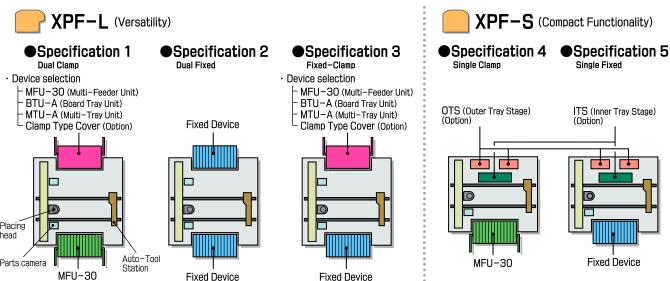
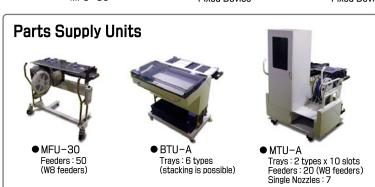


■ Machine Configuration







Machine Specifica	ations	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	6 (One Tray Height Measurement Auto-Tool is held when using trays)	Number of feeder slots occupied : 6 slots (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 (45 x 45) mm Maximum height : 25.4 mm	Loading side : Side 1 (MFU-30 or fixed device)	
Machine tact		0.144 sec/component 25,000 cph	0.40 sec/component 9,000 cph	Dispense tact : 0.2 sec/shot	
	II chip parts	±0.050 mm cpk≥1.00, ±0.066 mm cpk≥1.33	±0.040 mm cpk≥1.00, ±0.053 mm cpk≥1.33	- Dispense position accuracy: ±0.1 mm cpk≥1.00	
Placing accuracy Q	FP parts	$\pm 0.040 \text{mm} \text{cpk} \ge 1.00, \pm 0.053 \text{mm} \text{cpk} \ge 1.33$	±0.030 mm cpk≥1.00, ±0.040 mm cpk≥1.33	Dispense position accuracy: ±0.1 IIIIII cpk≥ 1.00	
PCB size (L x W)		Max. 457 mm x 356 mm, Min. 50mm x 50mm, Thickness 0.4(0.3) to 5.0 mm			
PCB loading time		1.8 seconds			
Machine dimensions		L:1,500 mm W:1,607.5 mm (XPF-S W:1,240 mm) H:1,419.5 mm (Conveyance height:900 mm H:excludes signal tower)			
Machine weight		Machine body XPF−L:1,500 kg, XPF−S:1,500 kg MFU−30:260 kg (with W8 feeders loaded) BTU−A:Approx. 120 kg MTU−A:Approx. 615 kg (with trays/feeders loaded)			

Parts Packaging

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

Options		
· Glue application unit	· Wide fiducial camera	· Board Tray Unit (BTU-B, BTU-C)
· Backup pin setter	· Lead linearity check	· Custom Nozzles and Mechanical Chucks
· Reel Set Stand (within the main machine)	· Fujitrax	

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Always consult Fuji prior to selling any Fuji equipment to a third party. The contents of this catalog are subject to change without notice. The information in this catalog is current as of September, 2007 Cat.No.XPF/07.Sep/E



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

Line throughput is improved dramatically.



The XPF eliminates the trouble of dividing a line between chip placers and multi-purpose mounters!

- Dynamic head exchange
- Borderless optimization
- · Easily removable tray units
- · Uses Fuji Intelligent Feeders

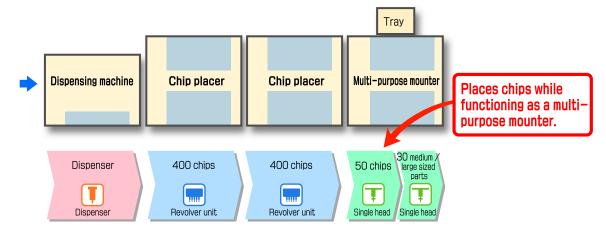




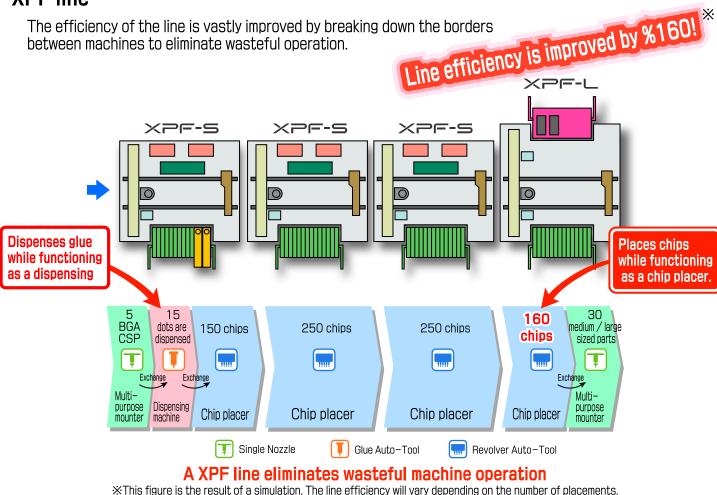
■Borderless Line Optimization

Borderless line optimization is achieved by the XPF because all XPF machines share the same production capabilities.

A conventional line is composed of machines specializing in a certain kind of production.



XPF line



Dynamic Head Exchange

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)







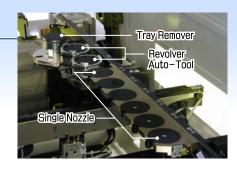
Glue Auto-Tool

- · 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

■Auto-Tool Station

The auto-tool station supports automatic exchange of the various auto-tools listed below.

- · Revolver Auto-Tool: 2 tools
- · Single Nozzle, Mechanical Chuck, Backup pin setter, Tray Height Measurement Auto Tool: 6 tools
- · Tray Remover: 1 tool



■Board Tray Unit (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 travs)
- · Stacking of trays is possible up to 32 mm
- · Offers a capacity rivaling that of a small magazinetype tray unit



■Tray Stage

A fixed platform is installed at side 2 of the machine so that tray parts car be placed by compact XPF-S.

- · ITS (Inner Tray Stage)
- · OTS (Outer Tray Stage)



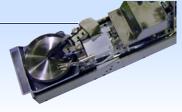
■Fuji Intelligent Feeder

Fu,ii Intelligent Feeders provide an unparalleled combination of high-speed parts supply and versatility.

- · Feeders can be inserted and removed while the machine is operating (side1 only) · A variety of advanced functions made possible by a feeder ID system
- Fasy tane splicing
- · Adjusts to support paper and emboss parts tape of any thickness or pitch
- · Compatible with NXT and AIM machines
- · Each feeder is independent and contains one part type fo easy exchange
- · The following tape thicknesses are supported:
- 8, 12, 16, 24, 32, 44, 56, 72, and 88 mm

■Dip Flux Unit

When placing bump parts such as BGAs and CSPs, parts are dipped in flux and a uniform amount of flux is applied to each bump.



■Stick Feeder

A stick feeder that can be used on both the NXT and AIM machines.