

60000 CPH



FX-3

Super High-speed Mounter

Our modular production line for high-volume throughput sets new standards for productivity, flexibility and reliability.

LOWEST COST
OF OWNERSHIP

JUKI

From high-speed, high-accuracy mounting down to very small parts – ultra-flexible performance assures the best return on investment for any application

Super High-speed Mounter

FX-3



- Optimum: 0,049sec./chip (74,000CPH)*
IPC9850(chip): 60,000CPH*
- Four multi-nozzle laser heads (24 total nozzles)
- Components from 01005 to 33.5mm square (or diagonal length up to 47mm)
- Feeder inputs: max. 120 single 8mm Tape Feeders

* Actual throughput may vary.



High-speed Assembly Line: Best price performance

High volume with a minimal footprint (line length: 6.7m; area: 10.7m²)



Total throughput
135,400CPH
(IPC9850)

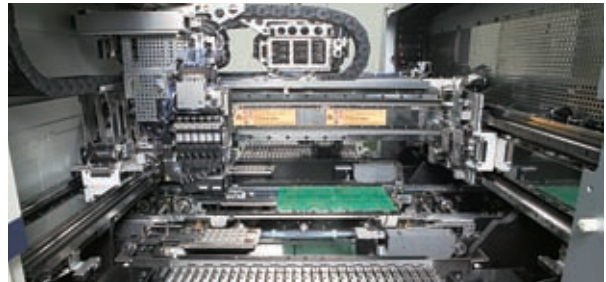
High-speed Technology

Two Stations – 4 Beams – 4 Head Configuration



The FX-3 can reach placement rates of up to 60,000CPH (IPC9850) using four independent beams, each with a six nozzle placement head at two placement stations.

X-Y Linear Servo Motors



Linear servo motors are used for all of the X-Y axis. Best in class performance is achieved by using high accuracy, incredibly responsive cutting edge axis control technology.

High Productivity and Wide Component Range

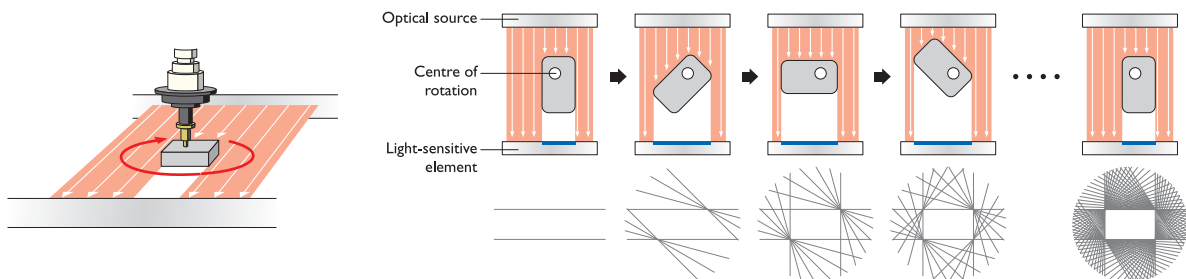
LNC60 Laser Sensor

Unrivaled placement range from 01005 to 33.5mm square components

The LNC60 brings a new concept in laser centring to the market. This sensor has the unique ability to centre components from 01005 to 33.5mm square parts. From ultra-small, ultra-thin, chip-shaped parts to small QFPs, CSPs, BGAs, a wide range of parts can be mounted by the laser recognition system at high-speed and with high-accuracy.



LNC60 A concept in component centring that is capable of on-the-fly centring of six components simultaneously.



Tangential Line Centering™ achieves both a wider component range and higher accuracy all at the same time. The LNC60 accurately measures the component's centre, dimensions, and angular correction all in a single sweep. The optical design has been simplified to give higher reliability in a thinner and lighter package.

User-friendly Operation

15-inch Touch-panel Colour LCD Display for MMI

Fast and easy machine management over a touch panel LCD at the front and rear.



Specifications

Item	Model	Super High-speed Mounter FX-3
Board size	L size (410x360mm)	○
	L-Wide size (510x360mm) ¹	○
Component height	6mm	○
Component size	Laser recognition	01005 ~ □33.5mm (or diagonal length up to 47mm)
Placement speed (chip)	Optimum	0.049Sec./chip (74,000CPH)
	IPC9850	60,000CPH
Placement accuracy	Laser recognition	±0.05mm(Cpk≥1)
Feeder inputs		Max. 120 single 8mm T/F
Power supply		200 to 415 VAC, 3-phase
Apparent power		9kVA
Operating air pressure		0.49±0.05Mpa
Air consumption		Max. 150L/min
Machine dimensions (WxDxH)	L size	2,650 x 1,650 x 1,530mm
	L-Wide size ¹	2,880 x 1,650 x 1,530mm
Mass		Approx. 3,280kg

¹: optional

Options

Operation system	Handheld Operating Device (HOD)
Inspection function	Component Verification System (CVS)
	SOT Direction Check Function
Others	FCS Calibration Jig
	Feeder Position Indicator
	IFS-X ₂ Intelligent Feeder System
Software	HLC Line Software
	Board Viewer
	EPU
	Flexline CAD
Component handling and feeders	Feeder Trolley
	Tape Feeder 8-56mm
	Stick Feeder
	Bulk Feeder

* Please refer to the product specifications for details.

A leading supplier worldwide

JUKI has now installed more than 20,000 placement systems worldwide, establishing us as one of the top SMT suppliers to the global market. All JUKI products are designed to guarantee our customers the absolute lowest production cost (Lowest Cost of Ownership). With outstanding flexibility and high placement rates the new models will again define the new standard for midrange applications, perfectly suited for the European market.

What we mean by Lowest Cost of Ownership

Often when deciding on the purchase of a new placement system, only the initial investment cost and the theoretical placement rate are considered. This overlooks many other factors that make up the overall production cost. Consumables, spare parts and service can be a big cost factor. Such things as changeover times, machine breakdowns and the difference between the theoretical and actual throughput rate significantly affect productivity. Maintenance, programming and operator training account for additional personnel costs. Thanks to their many years of experience building flexible modular placement systems JUKI has gained an outstanding reputation. Data from the market has shown that compared to systems from other manufacturers, JUKI clearly provides the highest reliability and lowest cost of ownership in the industry.

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