

FX-3RA -JUKI High-Speed Modular Mounter

I.Description

Developed under JUKI's "3E EVOLUTION" concept, the ever evolving FX 3R pick and place machine has been redesigned for ease of use, efficiency, cost effectiveness and increased expandability and compatibility. Using new, highly efficient linear servomotors, lightening and stiffening the head unit, and reviewing the placement sequence allow for an effective tact of 0.040 s/chip (90,000 CPH) (optimum conditions).



- High speed, high reliability modular mounter
- Improve productivity, reduce rework
- Designed to work with KE Series machines to form a high speed, flexible production line

II.Features

- 90,000CPH (0.040Sec. / chip / Optimum)
- 66,000CPH (IPC9850)
- 0402mm(01005 inch) ~ 33.5mm×33.5mm
- Laser recognition : $\pm 0.05\text{mm}(\pm 3\sigma)$
- On-the-fly centering using integrated laser
- 2 stations, 4 gantries, 4 placement heads, 24 nozzles
- Linear servo motor XY drive with full closed-loop control
- Holds up to 240 components
- Electrical or mechanical feeder trolley

III.Specification

Item/Model		High-Speed Modular	High-Speed Modular
Board size	L size(410x360mm)	yes	no
	L-Wide	yes	no
	XL	no	yes
	Applicability to	800×360mm	800×560mm

Component	6mm	yes
Component	Laser recognition	0402(01005) ~ 33.5mm×33.5mm
Placement speed (chip)	Optimum	0.040Sec. / chip(90,000CPH)*2
	IPC9850	66,000CPH*2
Placement	Laser recognition	±0.05mm(±3σ)
Feeder inputs		Max.240 in case of 8mm tape

***1 L-Wide size , Applicability to long PWB is optional.**

***2 This speed does not apply to XL board size.**