Specification

		RS-1XL
Board size		50×50 mm \sim 650×560 mm
Component height		25 mm
Component size		0201 (0.250×0.125 mm)* 1 ~□74 mm /150×50 mm
Placement speed	Optimum	42,000CPH
	IPC9850	29,000CPH
Placement accuracy		±35µm (Cpk≧1)
Feeder inputs		Max. 112*2
Power supply		AC200 \sim 415V* *3 .3-phases
Apparent power		22 kVA
Operating air pressure		0.5±0.05 Мра
Air consumption		200L / min
Machine dimensions (W×D×H)*4		2,109×2,000×1,440 mm
Mass (approximately)		1,850 kg

*1 For metric 0201 compliance please contact us.

*2 Using RF (RF08AS) feeders.

*3 A transformer unit (option) is necessary except AC 200 V.

*4 D dimension does not include the front operation monitor. H dimension does not include signal tower

Option

Recognitions system	10 / 27/ 54 mm view camera		
Oparations system	Rear-side operation unit / keyboard (front only)		
Inspection function	Coplanarity sensor / Component Verification System (CVS)		
Conveyor	Conveyor extention / Support pin / Support sponge		
Electrical protection	CE compatible specification / Ground-fault interrupter		
Force Control	Force control unit / Force control nozzle		
Software	JaNets / IFS-NX / Flexline CAD		
Component handling	Feeder Trolley (RF feeder only / RF-EF dual servo*5) / Electric tape feeder (RF/EF*5) /		
and feeders	EF feeder adapter*7 / Electric stick feeder*5 (Type-N / Type-W) / Matrix tray server TR8SR , TR5SNX , TR5DNX /		
	Matrix tray changer TR6DXLX / Dual tray server TR1RB / Tray Holder / IC collection belt /		
	Tape reel mounting base (for RF/ for EF) / Splicing jig / Electric Trolley Power Station PW02*6		
Others	Nozzle (for RS-1) / Big foot / Offset placement after solder screen-printing Solder lighting/		
	Non stop operation / Vacuum Pump		

*5 When EF feeders adapt the an attachment of EF feeder, the EF feeder can use on RF/EF feeder trolley and fixed bank (rear side). Please inquire details. *6 Separate connection cables for each model are required.





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*Please refer to the product specifications for details. JUKI Specifications and appearance may be changed without notice.

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JUKI SMT ASIA CO.,LTD.

Oct - 2019/Rev.02

Fast Smart Modular Mounter

RS-1XL

The ultimate all-in-one mounter High speed × versatility















Feature of RS-1XL

Newly developed "Takumi Head" with changing recognition sensor height Feature1

"Takumi head" that automatically optimizes it's height between 6 different positions based on component height. Tact time is optimized by keeping the head as close to the PCB as possible for the components placed.



Feature2 Wide component range 0201 (metric) components supported



Feature3 New vision ecognition technology option

- Component polarity is detected and corrected automatically by the upward looking centering camera (VCS).
- Upside down components Special algorithms can detect components that are upside down and reject them.
- Small component handling Components down to 0201 (metric) are supported with the 10mm field of view camera option.

Auto tape advance function Feature4

The auto tape advance funciton reduces setup time by using the fiducial camera to advance new tapes to the first full pocket. Available for 8mm tape and components from 0402 (metric) to 3216.

Index to first full pocket

High speed × versatility

Class leading speed, up to 42,000 cph Feature5

Class leading speed, up to 42,000 cph

Maximum speed of up to 42,000 cph*. This is made possible by a revolutionary head design that reduces the travel time and distance for every placement.

Feature6 High-precision placement of diffusion lenses

JUKI laser technology realizes highly accurate placement of diffusion lens by recognizing the main orientation. Independent control of head units Z axis achieves precise placement of large diffusion lens, avoiding interference from other nozzles.



Feature7 Line Balancer

Optimum line balance and highest throughput

Changing the RS-1 functionality does not require head replacement. The revolutionary design adapts to the production requirements automatically. It can be used in-line with high speed chip placement machines to improve overall line productivity or to make the line more flexible for complex PCBs with a high number of large components.



360-degree component recognition image



