



SMT
S O L I D

JUKI
JUKI AMERICA, INC.
ELECTRONIC ASSEMBLY SYSTEMS

RS-1XL

PICK AND PLACE

We offer complete SMT solutions with cutting-edge technology and specialized support.



MX 81-282-8092
US 10-791-8343





RS-1XL

FAST SMART MODULAR MOUNTER

As a Chip Mounter, as a Flexible Mounter, as a Balancer. Any ite can be produced for smart production.

The new mounter will change the conventional common sense of the ever innovative.

SPEED AND FLEXIBILITY FOR HIGH QUALITY PRODUCTION

The ultimate XL solution for versatile and adaptable production.

JUKI's RS-1XL is designed to meet the evolving demands of modern production with its XL board handling capabilities (up to 650×560 mm) and powerful adaptability. At the heart of the RS-1XL is the revolutionary Takumi head, which intelligently adjusts its laser sensor height to match component size, a feature that optimizes both speed and placement accuracy, allowing the head to operate as close to the PCB as possible.

With a blazing placement speed of up to 42,000 CPH and support for components from 0201 metric to oversized 74mm parts, this mounter seamlessly combines flexibility, precision, and power. Its advanced features like automatic polarity detection, upside-down rejection, and auto tape advancement save time and enhance reliability. JUKI's RS-1XL is the ultimate choice for manufacturers looking to harness next-level capability and productivity in their production lines.

RS-1R VS RS-1XL: KEY DIFFERENCES

Placement Speed

RS-1R: 47,000 CPH | **RS-1XL:** 42,000 CPH

Board Size

RS-1R: Up to 370 × 650 mm | **RS-1XL:** Up to 650 × 560 mm

Component Focus

RS-1R: Supports parts ranging from ≤3mm to 25mm in height | **RS-1XL:** Ideal for larger, odd-shaped parts

Application

RS-1R: Compact boards, precision at high speed | **RS-1XL:** Versatility for XL boards and dynamic layouts

SUPERIOR PRODUCTIVITY & VERSATILITY



Extra-Large Board Capability

Handles boards up to 650×560 mm, perfect for XL projects.



Dynamic Takumi Head

Auto-adjusting 8-nozzle head for 1-25mm heights.



Wide Component Range

Handles 0201 to 74mm components, up to 25mm high.



Versatile & Fast

Handles odd-shaped parts and large connectors with 47,000 CPH speed.

FAST SMART MODULAR MOUNTER		
Model	RS-1XL	
Board size	50×50mm~650×560mm	
Component height	25mm	
Component size	0201*1~ 74mm/150×50mm	
Placement speed	Optimum	42,000CPH
	IPC9850	29,000CPH
Placement accuracy	±35μm (Cpk≥1)	
Feeder inputs	Max. 112*2	
Power supply	AC200 ~ 415V*3 .3-phases	
Apparent power	22 kVA	
Operating air pressure	0.5±0.05 Mpa	
Air consumption	200L / min	
Machine dimensions (W×D×H)*4	2,109×2,000×1,440 mm=	
Body weight	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



Industrial solutions, innovation and precision.

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