



SMT
S O L I D

JUKI
JUKI AMERICA, INC.
ELECTRONIC ASSEMBLY SYSTEMS

RS-1R

PICK AND PLACE

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



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





RS-1R PLACEMENT

P&P 47,000 CPH

NEXT GENERATION SMART FAST MODULAR MOUNTER

Superior Productivity with the best throughput in an advanced, all-in-one!

JUKI's RS-1R is a revolution in modular mounter technology, engineered to deliver unmatched performance across diverse production lines. With an innovative single dynamic placement head that automatically adjusts to component heights from 1mm to 25mm, and variable laser sensor heights, it offers exceptional flexibility for precise placements on a wide spectrum of components. Enhanced with a large nozzle ATC, the RS-1R even accommodates odd-shaped parts with ease, making it the perfect solution for manufacturers seeking versatility without compromising on speed or accuracy.

The RS-1R achieves class-leading tact times, reaching speeds of up to 47,000 CPH, making it a standout choice for high-volume operations. Its robust design incorporates improvements like an advanced PCB conveyor system for larger board handling and seamless feeder insertion/removal during operation. Coupled with quality-enhancing features like intelligent orientation functions and RFID-tagged nozzles, the RS-1R ensures flawless placements and traceability across your production line. With easy maintenance and three years warranty, the RS-1R brings performance, reliability, and efficiency to the forefront of SMT innovation.

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 $\leq 3\text{mm}$ 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



Nozzle RFID Tags

RFID-tracked nozzles for precise traceability.



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-1R				
Conveyor specification	Standard	150mm conveyor extensions, upstream and downstream		250mm conveyor extensions, upstream and downstream	
Component height	25mm				
Component size	0201*1 ~ 74 mm /150×50 mm				
Placement speed	Optimum	47,000CPH			
Placement speed	IPC9850	31,000CPH			
Placement Accuracy	±0.04mm (Cpk ≥1)				
Placement accuracy	±35µm (Cpk ≥1)				
Vision recognition	±30µm				
Feeder inputs	max.112*2				
Board size	Minimum	50×50mm			
Board size	Maximum	1 buffer		650×370 mm (Single clamping)	
Board size	Maximum	1 buffer	950×370 mm (double clamping)	1,100×370 mm (double clamping)	1,200×370 mm (double clamping)
Board size	Maximum	3 buffer	360×370mm	500×370mm	600×370mm



Industrial solutions, innovation and precision.

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