



JUKI RS-1R High Speed SMT Placement Machine with 47,000CPH, $\pm 35\mu\text{m}$ Accuracy and 0201 Component Support

Our Product Introduction

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Basic Information

- Place of Origin: Japan
- Brand Name: JUKI
- Model Number: RS-1R
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1600*2000*1600mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Machine Name: RS-1R
- Transfer Pattern Standard: Import And Export 150mm Extension
- Substrate Size Min: 50x50mm
- Component Height: 25mm
- Component Size: 0201*1(British System 008004 74mm /50x150mm)
- Component Mounting Speed: 47,000CPH
- Component Mounting Accuracy: $\pm 35\mu\text{m}$ Cpk ≥ 1
- Image Recognition: $\pm 30\mu\text{m}$
- Type Of Component Mounting: 112 Kinds *2
- Machine Size(W*D*H): 1,500x1,810x1,440mm
- Machine Weight: About 1,700Kg
- Condition: Used Orignal



More Images



JUKI RS-1R High Speed Modular SMT Placement Machine

The JUKI RS-1R represents a significant advancement in surface mount technology, offering high-speed, intelligent modular placement for demanding electronics manufacturing environments.

Advanced SMT Placement Technology

The JUKI RS-1R series is engineered for high-mix, high-volume production with flexible modular configuration. This intelligent chip mounter supports components ranging from ultra-small chip parts to large odd-form components, providing exceptional versatility for diverse manufacturing applications.

Key Features & Performance Specifications

- **High-Speed Placement:** Maximum throughput up to 47,000 CPH (chips per hour)
- **Enhanced Accuracy:** Placement accuracy of $\pm 35\mu\text{m}$ ($\text{Cpk} \geq 1$) for precision assembly
- **Small Component Support:** Handles ultra-small 0201 metric (008004") components
- **Versatile Component Range:** Supports components up to 74mm square and 50mm x 150mm rectangular parts
- **Takumi Head Technology:** Features changing recognition sensor height for optimized line balance
- **Intelligent Scan System:** Automatically detects component size and height, reducing manual calibration
- **Dual Lane Conveyor:** Processes two PCBs simultaneously to reduce cycle time
- **Non-Stop Optimization:** Continuous monitoring and adjustment for maximum efficiency

Industry Applications

The JUKI RS-1R is ideal for precision manufacturing across multiple industries:

- **Mobile Devices:** Smartphones, tablets, and high-density electronics
- **Wearable Technology:** Smartwatches, fitness trackers, and miniaturized devices
- **Automotive Electronics:** ADAS systems, infotainment, and automotive controls
- **Industrial Automation:** Control systems and automation equipment
- **Medical Devices:** Diagnostic, monitoring, and sensitive medical electronics

Technical Specifications

Specification	Value
Placement Speed	Up to 47,000 CPH
Placement Accuracy	$\pm 35\mu\text{m}$ ($\text{Cpk} \geq 1$)
Smallest Component	0201 metric (008004")
Maximum Component Size	74mm square / 50mm x 150mm rectangular

Frequently Asked Questions

What is the placement speed of the JUKI RS-1R?

The JUKI RS-1R achieves optimum placement speeds up to 47,000 chips per hour.

What level of accuracy does the RS-1R provide?

The machine delivers exceptional placement accuracy of $\pm 35\mu\text{m}$ ($\text{Cpk} \geq 1$).

What is the smallest component size supported?

The RS-1R handles ultra-small components including 0201 metric (008004") parts.

What industries benefit from this machine?

Ideal for mobile devices, wearable technology, automotive electronics, industrial automation, and medical devices.

Cost-Effective Manufacturing Solution

The JUKI RS-1R offers superior Total Cost of Ownership through high-speed operation, precision accuracy, and versatile component handling. Its modular design and intelligent features reduce the need for additional equipment, providing comprehensive manufacturing capabilities in a single platform.

JUKI RS-1R High Speed Intelligent Modular Placement Machine | GSSMT | JUKI SMT Pick and Place Machine | RS-1R specifications | High-speed modular mounter | SMT machine | Component placement accuracy | Manufacturing automation



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