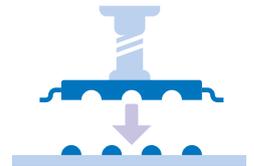


## PLACEMENT SOLUTION

RS-1

Fast Smart Modular Mounter



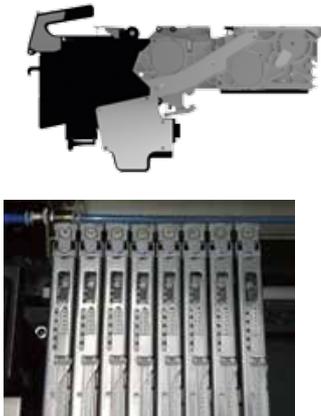
# HARDWARE OPTIONS FOR RS-1



## RS-1 *PLACEMENT* Fast Smart Modular Mounter

- | Placement speed: 42,000 CPH (optimum)
- | Board size: 650 × 370 mm (standard configuration)
- | Component size: 0201\* (metric) ~ 74 mm / 50 × 150 mm

\*Please contact us for availability.



Up to  
112  
feeders

Rated  
42,000  
CPH

### SMART MACHINE 1 *For High Speed Chip Placement*

#### Class leading speed, up to 42,000 CPH

Maximum speed of up to 42,000 CPH\*. This is possible due to a revolutionary head design that reduces travel time and distance for every placement.

#### New RF feeders are smaller, thinner and lighter

The new RF feeders are 17 % smaller and 50 % lighter, but still maintain the same high degree of positional accuracy. The thinner width allows up to 112 feeder inputs.\*

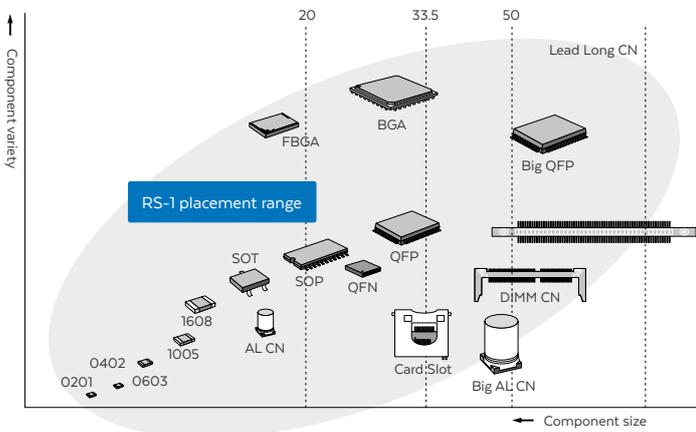
\*Total for front and rear

### SMART MACHINE 2 *For High Flexibility*

#### Wide component range

RS-1 supports components from 0201\* (metric) up to 74 mm square or 50 × 150 mm rectangular parts. The RS-1 component height goes up to 25 mm.

0201\* (metric)  
74 mm or  
50 × 150 mm

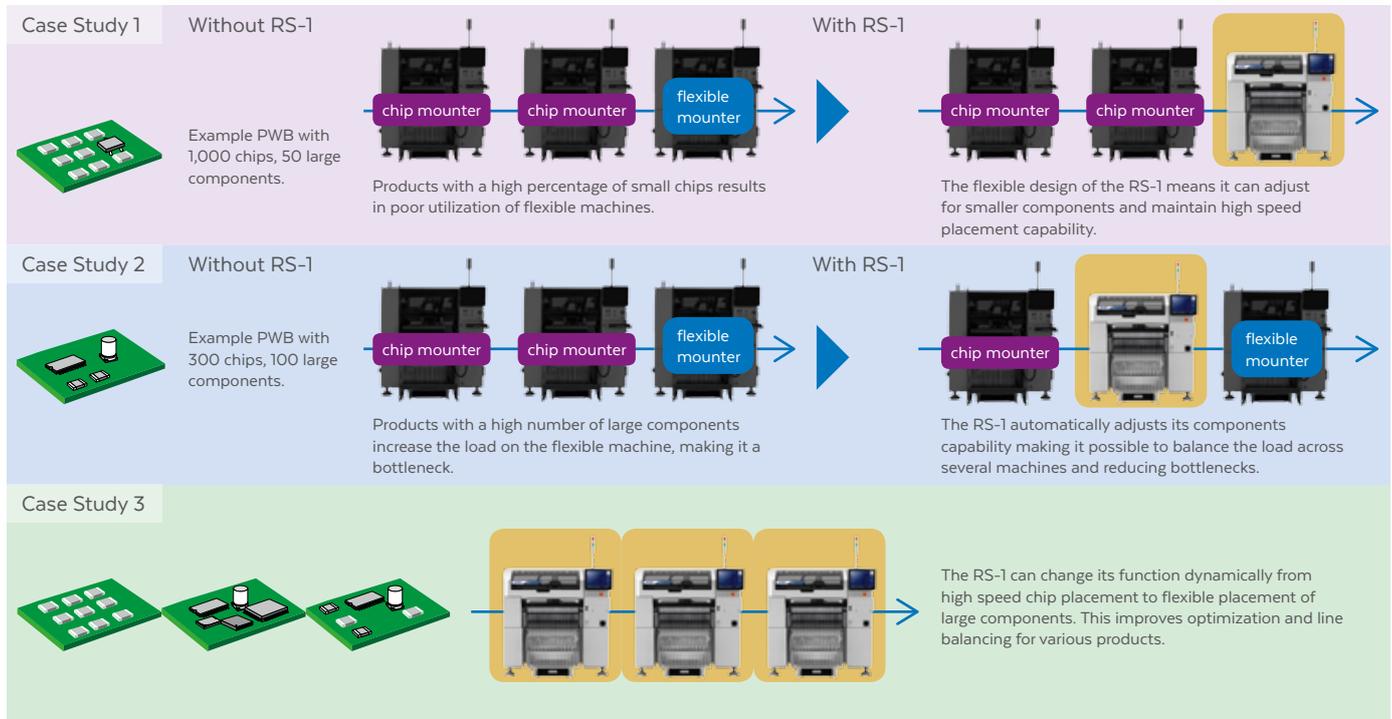


\*Please contact us for availability.

## SMART MACHINE 3 Line Balancer

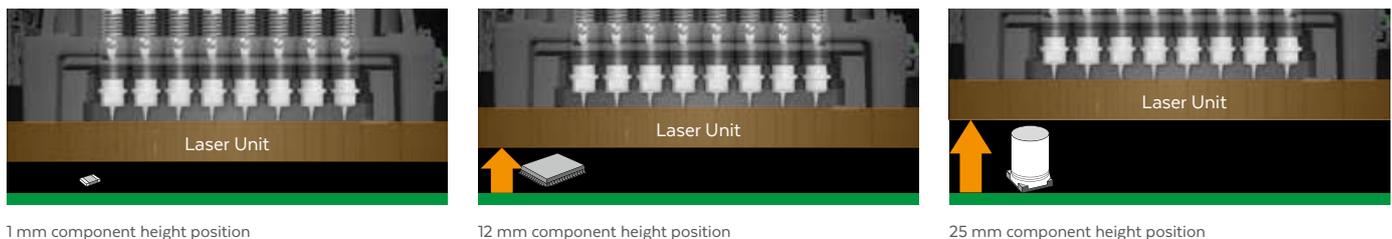
### Optimum line balance and highest throughput on any product

Changing the RS-1 functionality does not require a head replacement. The revolutionary head design adjusts automatically to the production requirements. 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.



## SMART TECHNOLOGY 1 New Head Design

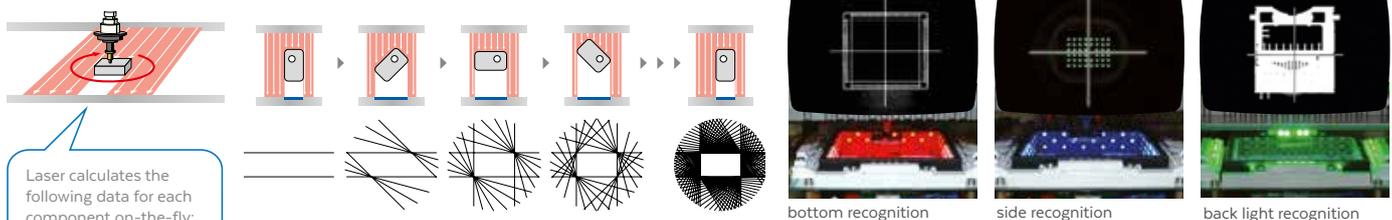
The RS-1 new head design automatically adjusts the height according to the height of components to be placed next. This technology reduces the Z travel distance to the required minimum, allowing an increase of throughput to a maximum regardless of the product.



## SMART TECHNOLOGY 2 JUKI Technology

JUKI's On-The-Fly centering technology is fast, accurate and reliable for a wide range of components. Wide range of supported components including PLCC, SOP, QFP, BGA and many more. Size from 0201\* (metric) to 50 mm square.

### Recognition algorithm



Please contact us for availability.

## SPECIFICATIONS

		Technical Data RS-1
Board Size		max. 650 × 370 mm (single clamping)
		max. 950 × 370 mm (double clamping) <sup>*1</sup>
		max. 1,200 × 370 mm (double clamping) <sup>*2</sup>
Component height		25 mm
Component size		0201 <sup>*3</sup> (metric) - 74 mm / 50 × 150 mm
Placement Speed	Optimum	42,000 CPH
	IPC9850	29,000 CPH
Placement accuracy		± 0.035 mm (Cpk ≥ 1)
Feeder inputs		max. 112 <sup>*4</sup>
Power supply		200 - 415 VAC, 3-phase
Apparent power		2,2 kVA
Operating air pressure		0.5 ± 0.05 MPa
Air consumption		max. 50L / min
Machine dimensions (W × D × H)		1,500 × 1,810 × 1,440 mm
Mass (approximately)		1,700 kg

07/2017\_Rev01

<sup>\*1</sup> Software-Option required.

<sup>\*2</sup> 250 mm conveyer extension required.

<sup>\*3</sup> Please contact us for availability.

<sup>\*4</sup> When using RF Feeder Series on front and rear.

Please refer to product specifications for details.

Specifications and design subject to change without notice.