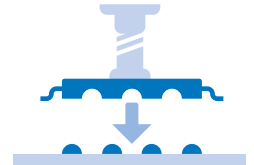


PLACEMENT SOLUTION

RS-1

Fast Smart Modular Mounter



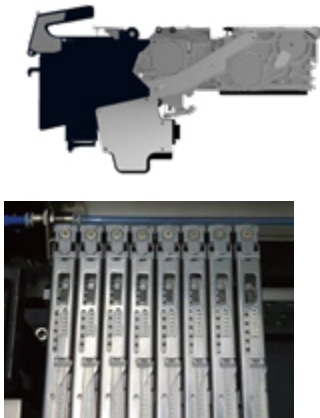
HARDWARE OPTIONS FOR RS-1



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*

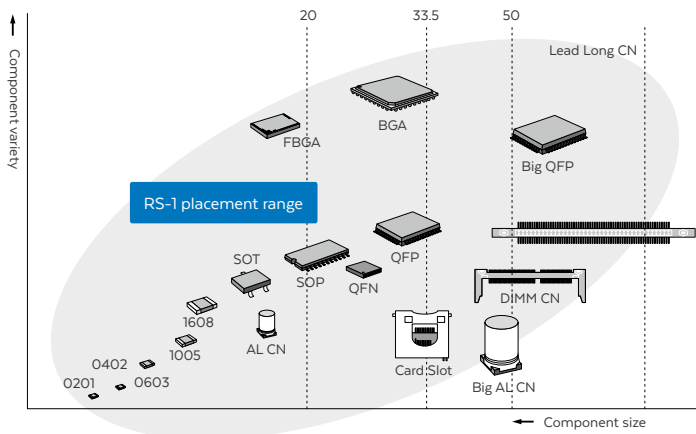
Class leading speed, up to 42,000 CPH
Maximum speed of up to 42,000 CPH. This is possible due to a revolutionary head design that reduces travel time and distance for every placement.

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.

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

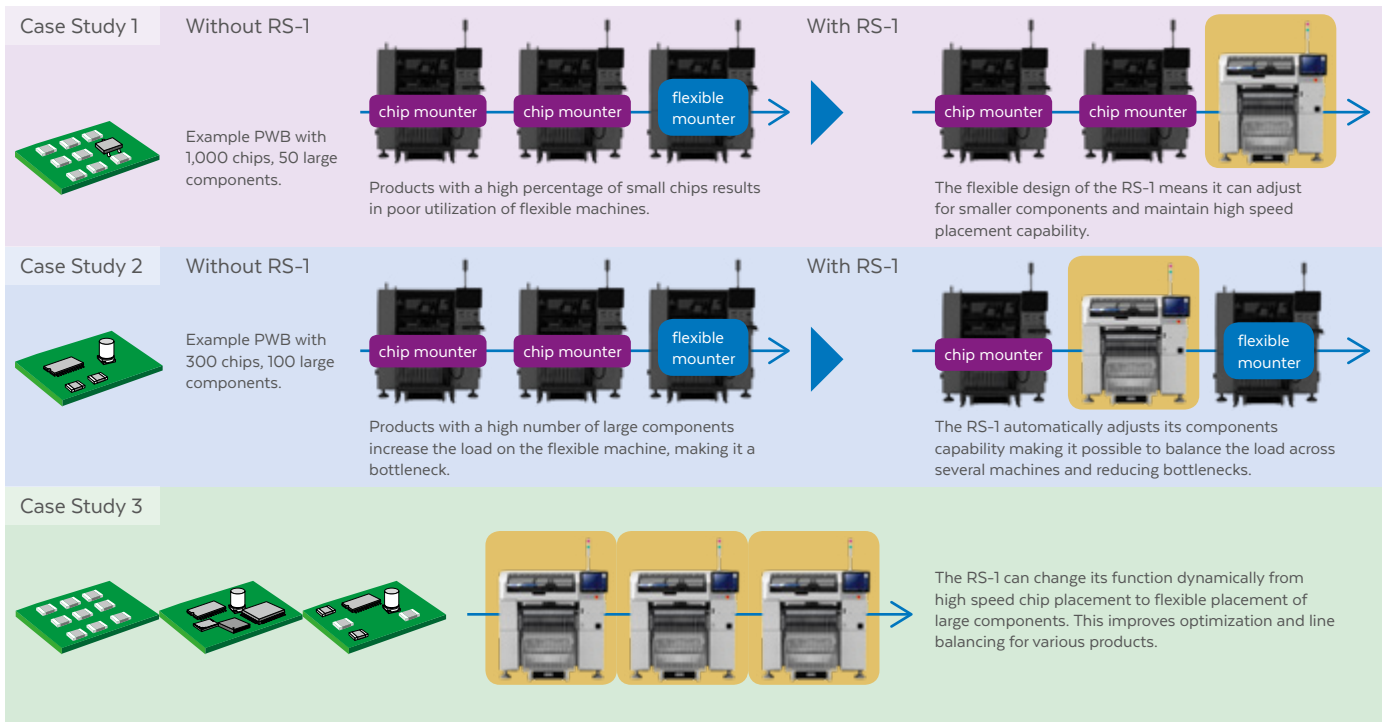


*Please contact us for availability.

SMART MACHINE 3 Line Balancer

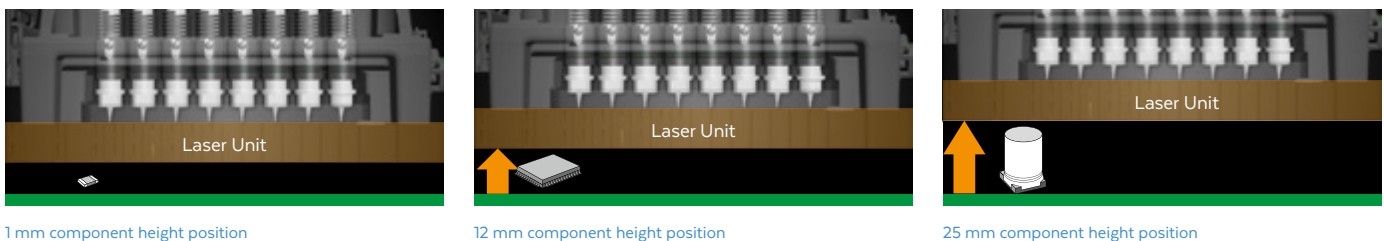
Optimum line balance and highest throughput on any product

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

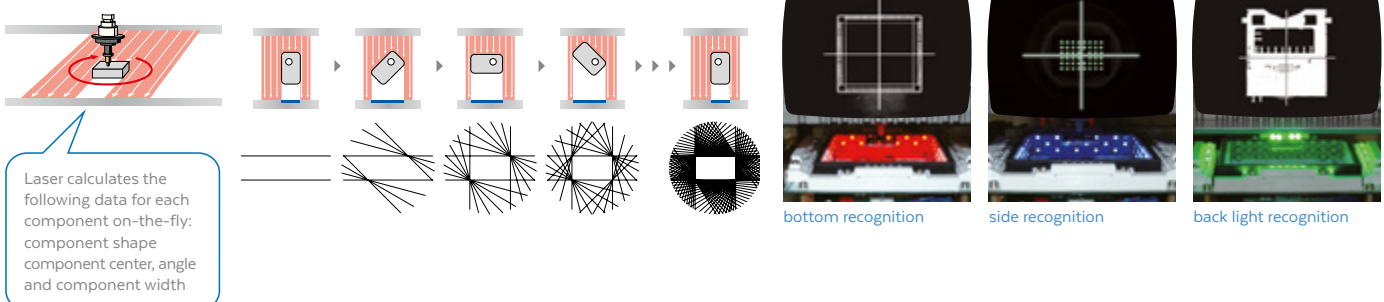
The RS-1 new head design automatically adjusts the height according to the height of components to be placed next. This technology reduces the Z travel distance to the required minimum, allowing an increase of throughput to a maximum regardless of the product.



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



SPECIFICATIONS

		Technical Data RS-1
Board Size		max. 650 × 370 mm (single clamping)
		max. 950 × 370 mm (double clamping) ^{*1}
		max. 1,200 × 370 mm (double clamping) ^{*2}
Component height		25 mm
Component size		0201 ^{*3} (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 ^{*4}
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

11/2018_Rev03

^{*1} Software-Option required.

^{*2} 250 mm conveyer extension required.

^{*3} Please contact us for availability.

^{*4} When using RF Feeder Series on front and rear.

Please refer to product specifications for details.

Specifications and design subject to change without notice.