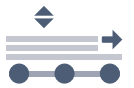
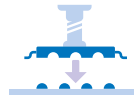


JUKI

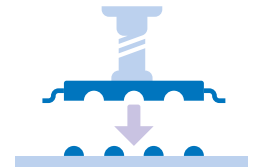
smart.fast.modular.



PLACEMENT SOLUTION

RS-1

Fast Smart Modular Mounter



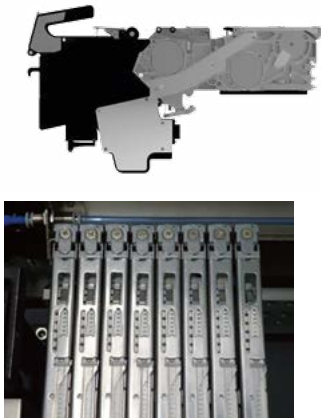
HARDWARE OPTIONS FOR RS-1



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

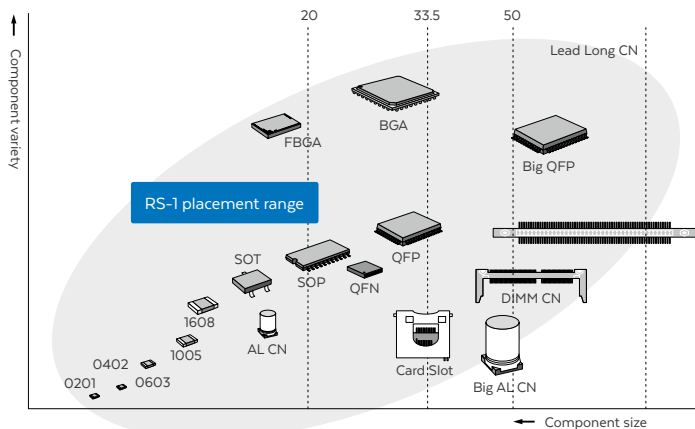
Class leading speed, up to 42,000 CPH

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



*Please contact us for availability.

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.

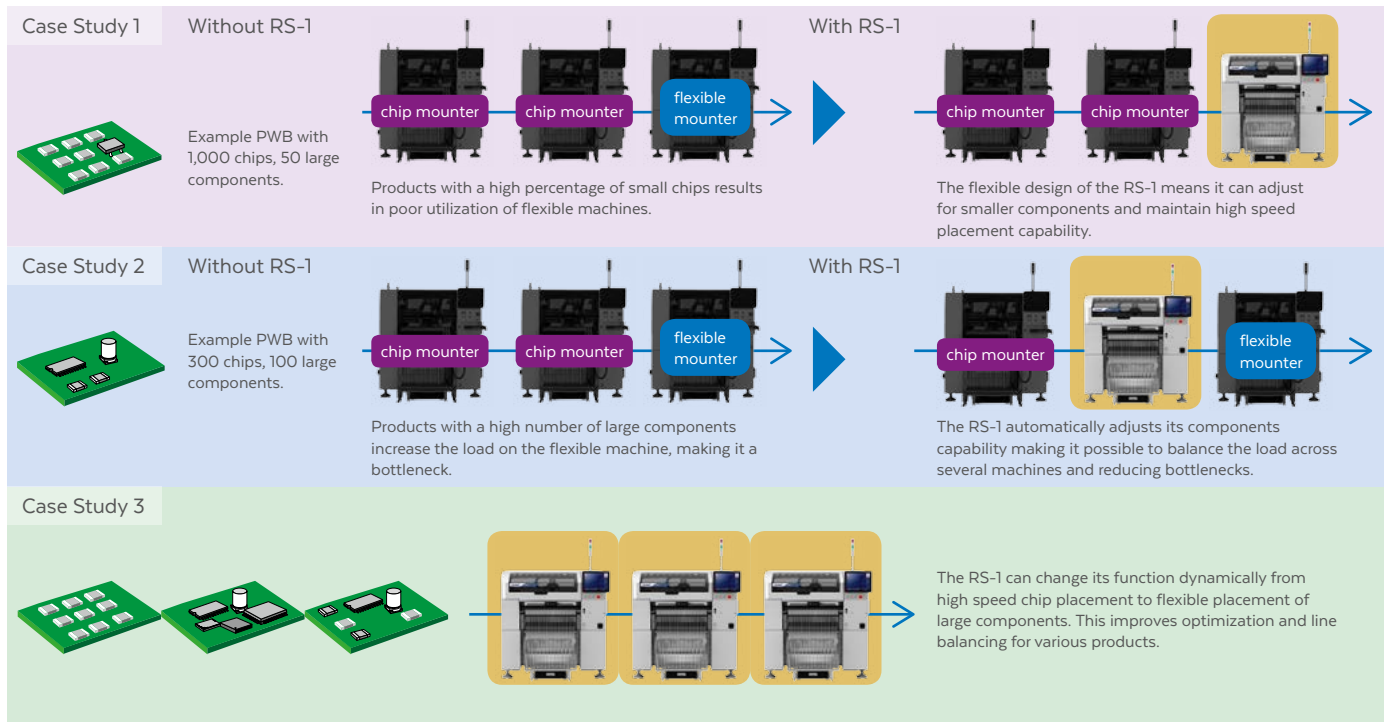
0201* (metric)
74 mm or
50 × 150 mm

SMART MACHINE 3

Line Balancer

Optimum line balance and highest throughput on any product

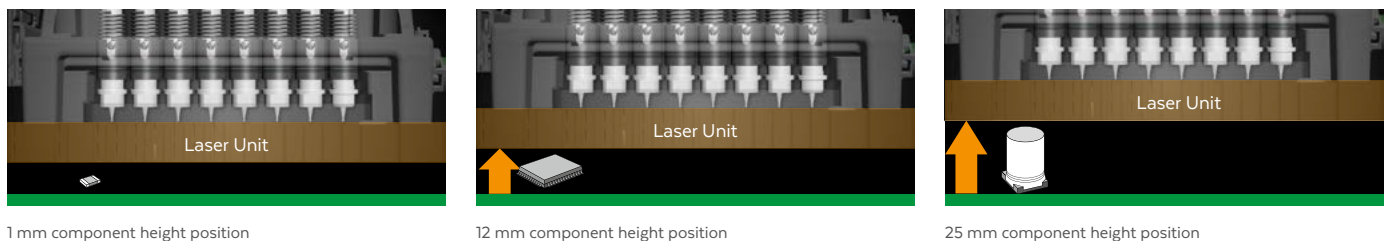
Changing the RS-1 functionality does not require a head replacement. The revolutionary head design adjusts automatically to the production requirements. It can be used in-line with high speed chip placement machines to improve overall line productivity or to make the line more flexible for complex PCBs 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.



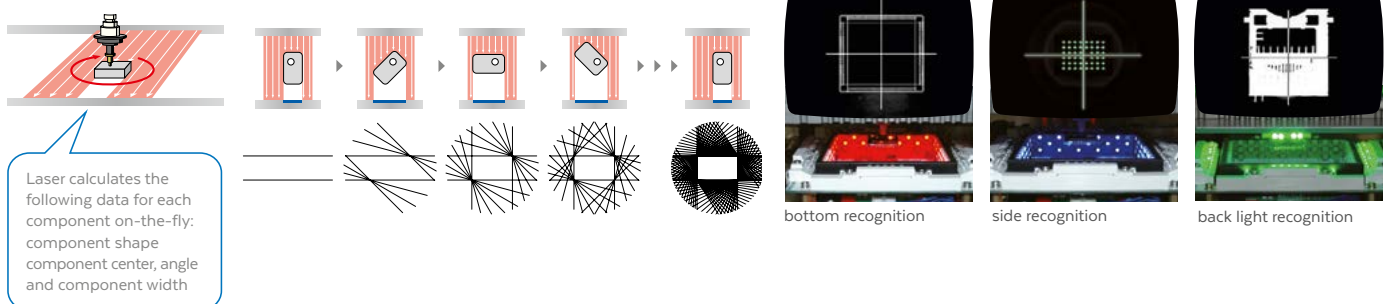
SMART TECHNOLOGY 2

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.

Please contact us for availability.

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		008004* ³ (0201 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

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*¹ Software-Option required.

*² 250 mm conveyer extension required.

*³ Please contact us for availability of special nozzles.

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

Please refer to product specifications for details.

JUKI specifications and appearance may be changed without notice.

European Headquarters:

JUKI Automation Systems GmbH
Neuburger Str. 41, 90451 Nuremberg, Germany

phone: +49 911 93 62 66 60
fax: +49 911 93 62 66 26
email: info@juki-smt.com

JUKI
www.juki-smt.com