

JUKI

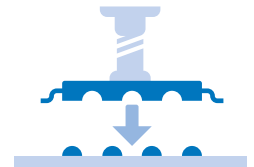
smart.fast.modular.



PLACEMENT SOLUTION

RS-1XL

Fast Smart Modular Mounter



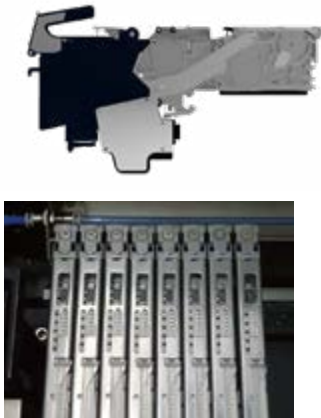
HARDWARE OPTIONS FOR RS-1XL



RS-1XL *PLACEMENT* Fast Smart Modular Mounter

- Placement speed: 42,000 CPH (optimum)
- Board size: 650 × 560 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*

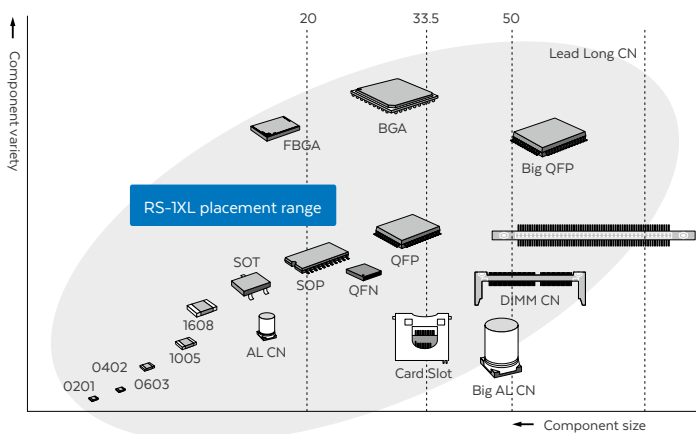
Class leading speed, up to 42,000 CPH
Maximum speed of up to 42,000 CPH. This is possible due to a revolutionary head design that reduces travel time and distance for every placement.

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

0201* (metric)
~ 74 mm or
50 × 150 mm



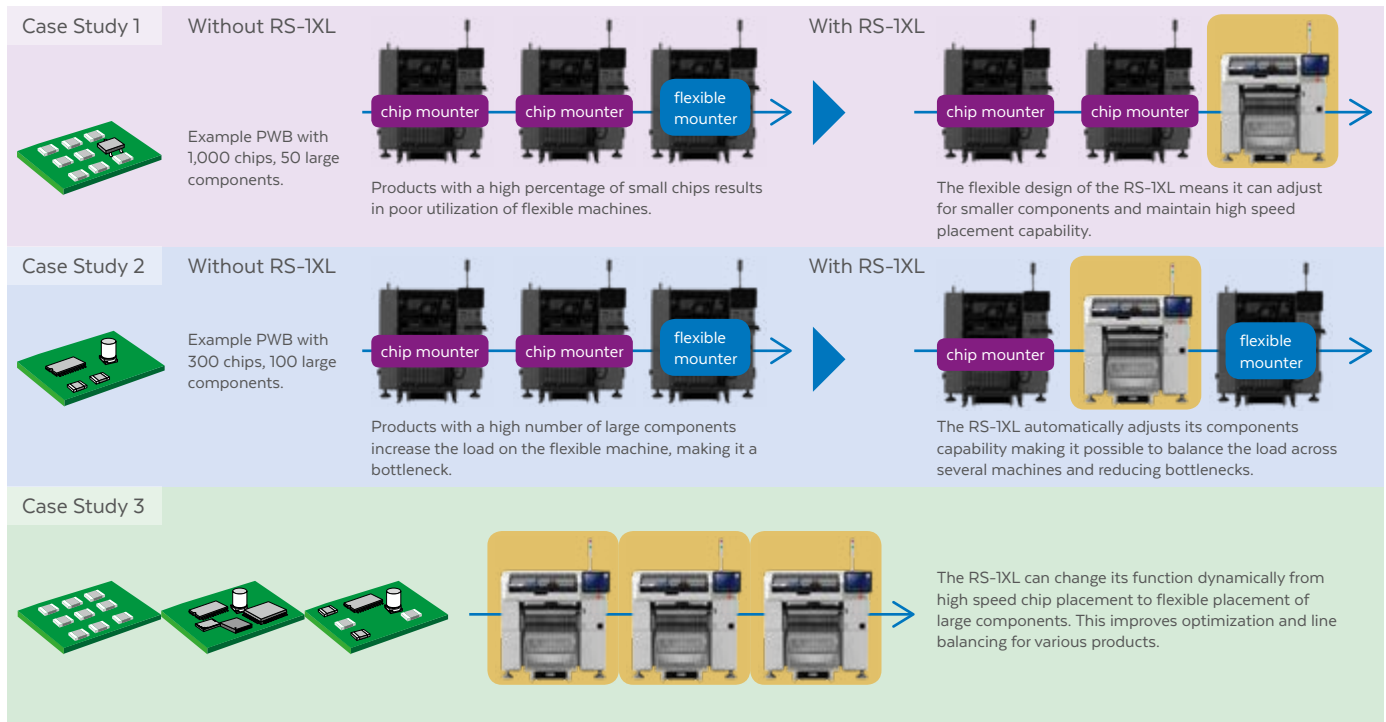
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SMART MACHINE 3

Line Balancer

Optimum line balance and highest throughput on any product

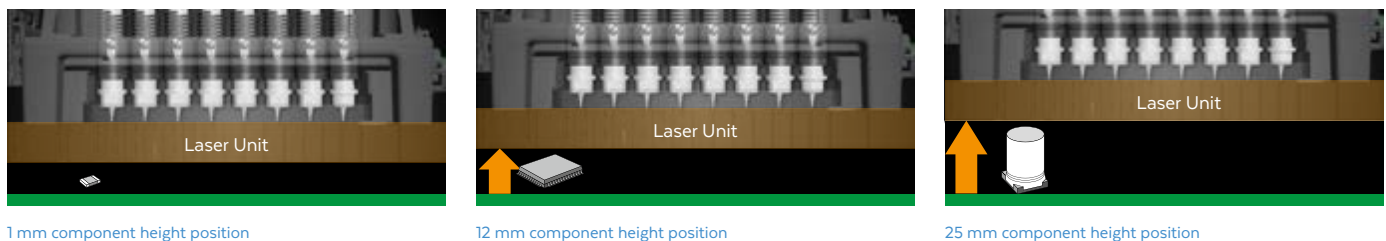
Changing the RS-1XL functionality does not require a head replacement. The revolutionary head design adjusts automatically to the production requirements. It can be used in-line with high speed chip placement machines to improve overall line productivity or to make the line more flexible for complex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



SMART TECHNOLOGY 1

New Head Design

The RS-1XL 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.

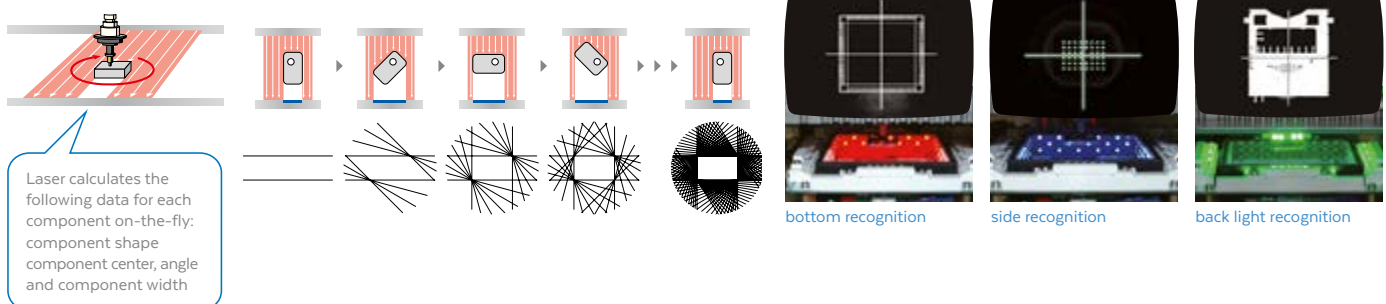


SMART TECHNOLOGY 2

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-1XL
Board Size		max. 650 × 560 mm (single clamping)
Component height		25 mm
Component size		0201*1 (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*2
Power supply		200 – 415 VAC, 3-phase
Apparent power		2.2 kVA
Operating air pressure		0.5 ± 0.05 MPa
Air consumption		max. 50 L/min
Machine dimensions (W × D × H)		2,109 × 2,000 × 1,440 mm
Mass (approximately)		1,850 kg

04/2019_Rev01

*1 Please contact us for availability.

*2 When using RF Feeder Series on front and rear.
Please refer to product specifications for details.

Specifications and design subject to change without notice.

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