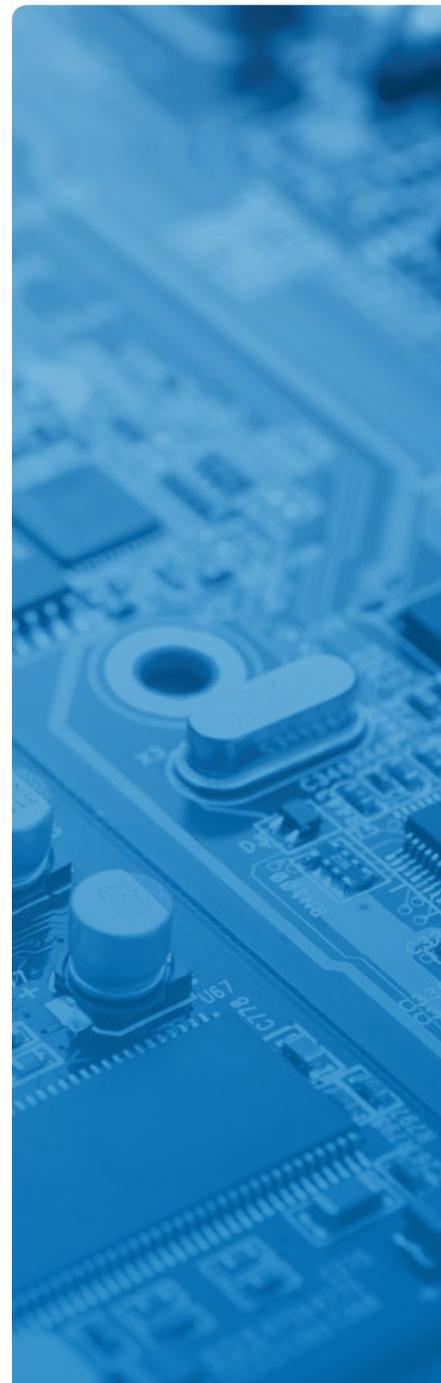
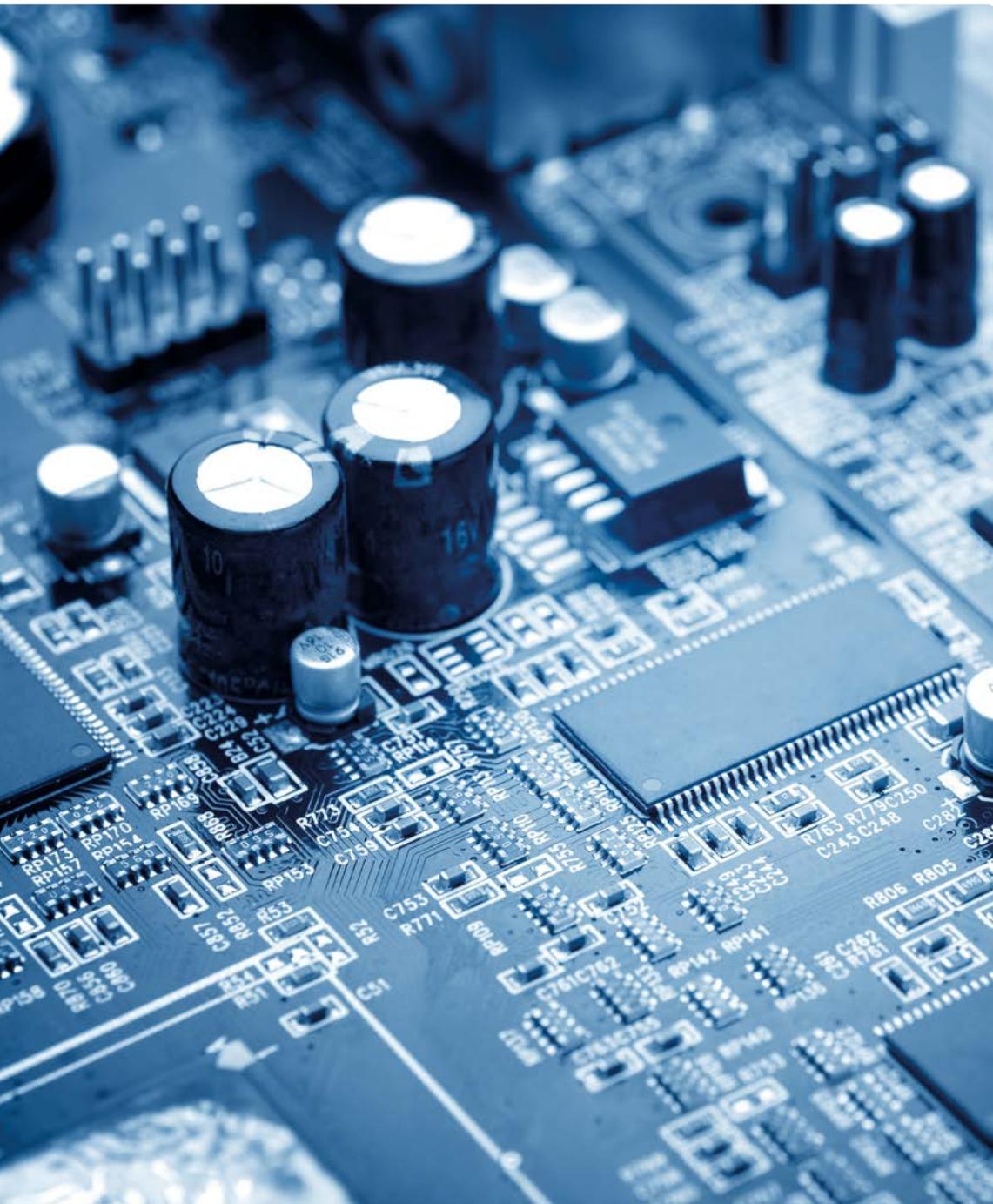
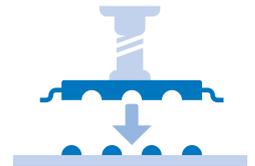


PLACEMENT SOLUTION

RS-1R

Fast Smart Modular Mounter



HARDWARE OPTIONS FOR RS-1R



RS-1R *PLACEMENT* Fast Smart Modular Mounter

- | Placement speed: 47,000 CPH (optimum)
- | Board size: 650 × 370 mm (standard configuration)
- | Component size: 0201* (metric) ~ 74 mm / 50 × 150 mm

*Please contact us for availability.

NOZZLE TRACEABILITY FUNCTION

RFID tags are mounted on each nozzle to improve control and traceability. Nozzle maintenance can be monitored and traceability of performance is maintained.

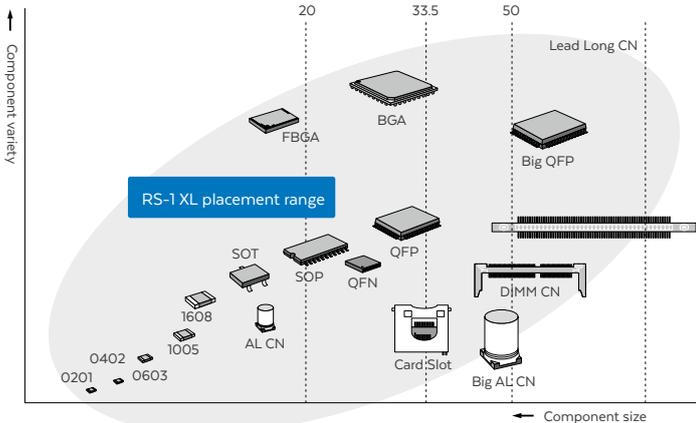
Option



LARGE NOZZLE ATC

Changeable ATC plate supports nozzles up to 7 × 28 mm. Large nozzles for large or heavy components are available.

Option



*Please contact us for availability.

SMART MACHINE 2 For High Flexibility

Wide component range

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

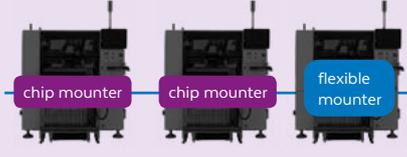
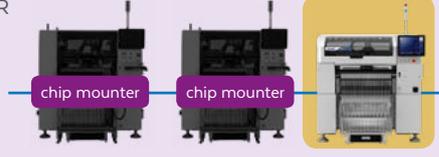
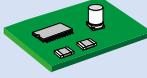
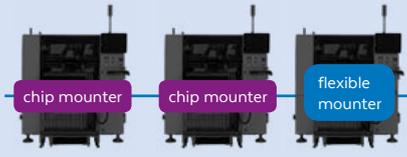
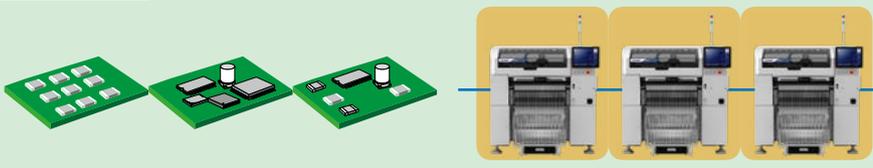
0201* (metric)
~ 74 mm or
50 × 150 mm

SMART MACHINE 3

Line Balancer

Optimum line balance and highest throughput on any product

Changing the RS-IR 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.

<p>Case Study 1</p>  <p>Example PWB with 1,000 chips, 50 large components.</p>	<p>Without RS-IR</p>  <p>Products with a high percentage of small chips results in poor utilization of flexible machines.</p>	<p>With RS-IR</p>  <p>The flexible design of the RS-IR means it can adjust for smaller components and maintain high speed placement capability.</p>
<p>Case Study 2</p>  <p>Example PWB with 300 chips, 100 large components.</p>	<p>Without RS-IR</p>  <p>Products with a high number of large components increase the load on the flexible machine, making it a bottleneck.</p>	<p>With RS-IR</p>  <p>The RS-IR automatically adjusts its components capability making it possible to balance the load across several machines and reducing bottlenecks.</p>
<p>Case Study 3</p>  <p>The RS-IR can change its function dynamically from high speed chip placement to flexible placement of large components. This improves optimization and line balancing for various products.</p>		

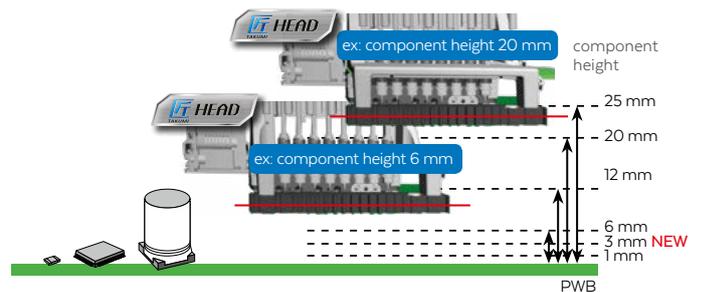
SELF-OPTIMIZING SMART HEAD

"Takumi head" that automatically optimizes its height between 6 different positions based on component height. Tact time is optimized by keeping the head as close to the PCB as possible for the components placed.



New Dynamic Height 8 nozzle placement head automatically adjusts height to optimize placement speed. This head adjusts automatically based on the components to be placed from 1 mm to 25 mm in 6 different positions (1 · 3 · 6 · 12 · 20 · 25 mm).

(Variable height of the laser sensor in accordance with the component height)

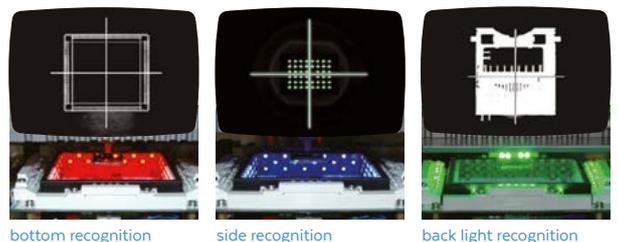
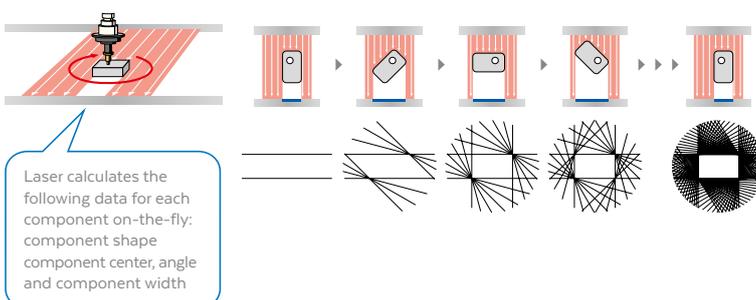


SMART TECHNOLOGY 2

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-1R
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	47,000 CPH
	IPC9850	31,000 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.

^{*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.

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