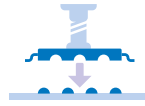


JUKI

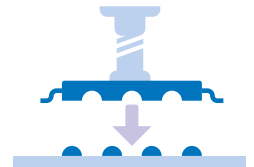
smart.fast.modular.



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

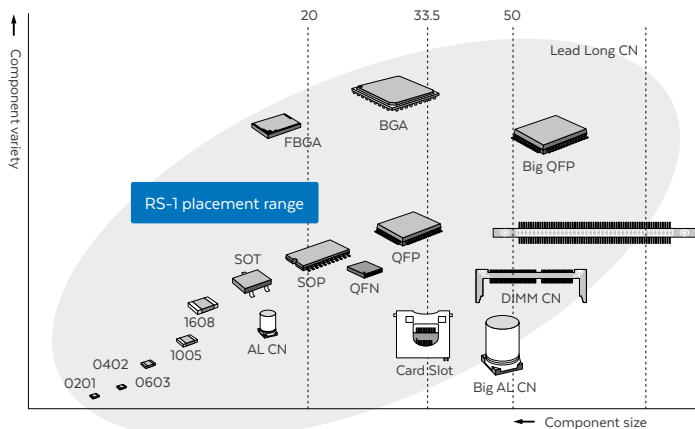
Class leading speed, up to 42,000 CPH

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.

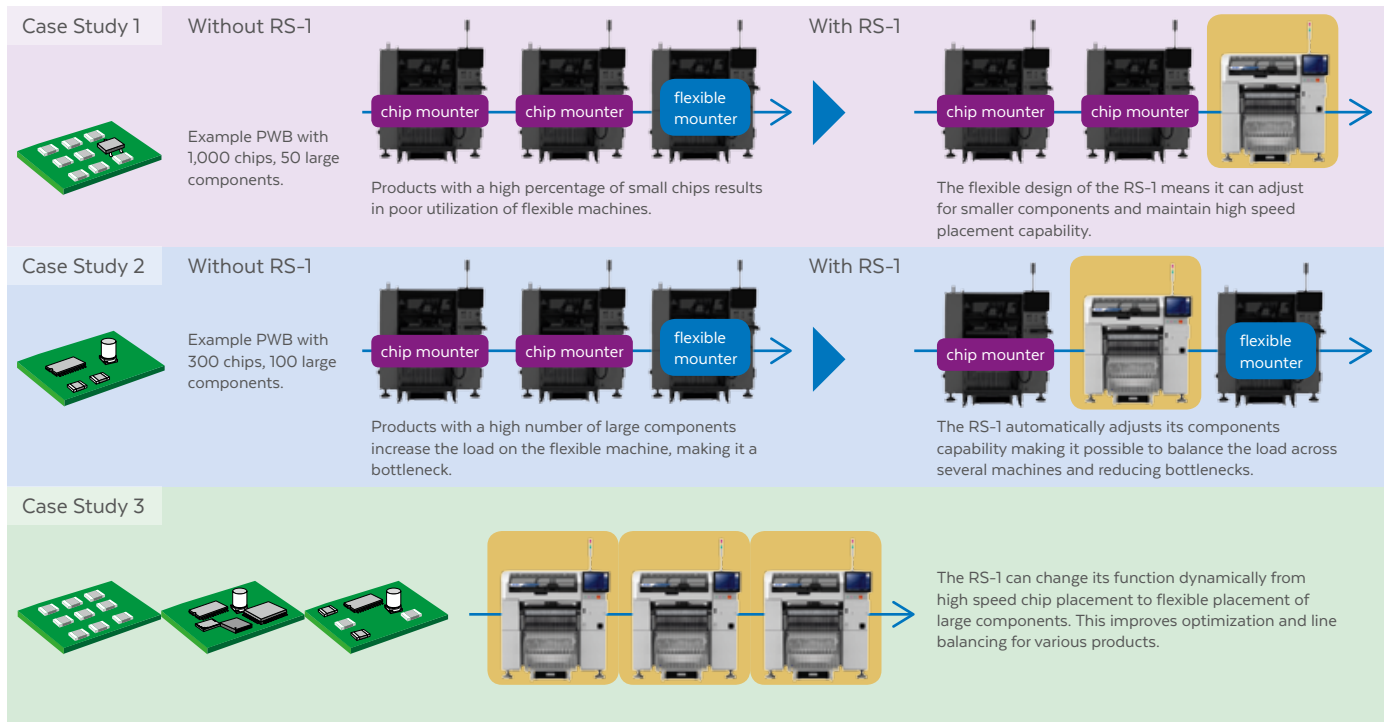
0201* (metric)
74 mm or
50 × 150 mm

SMART MACHINE 3

Line Balancer

Optimum line balance and highest throughput on any product

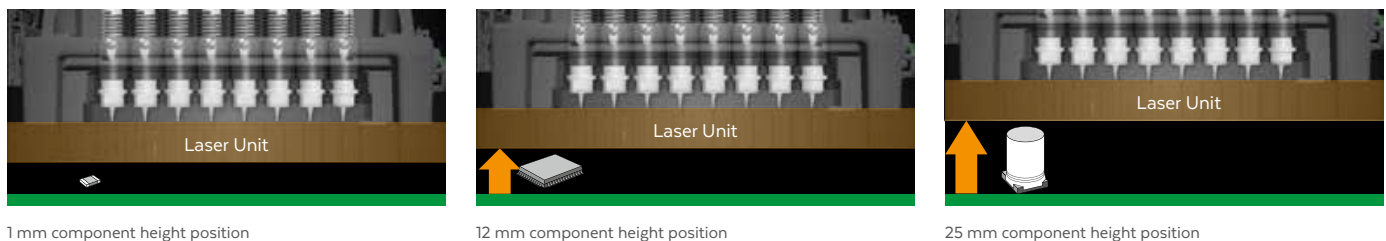
Changing the RS-1 functionality does not require a head replacement. The revolutionary head design adjusts automatically to the production requirements. It can be used in-line with high speed chip placement machines to improve overall line productivity or to make the line more flexible for complex PCBs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

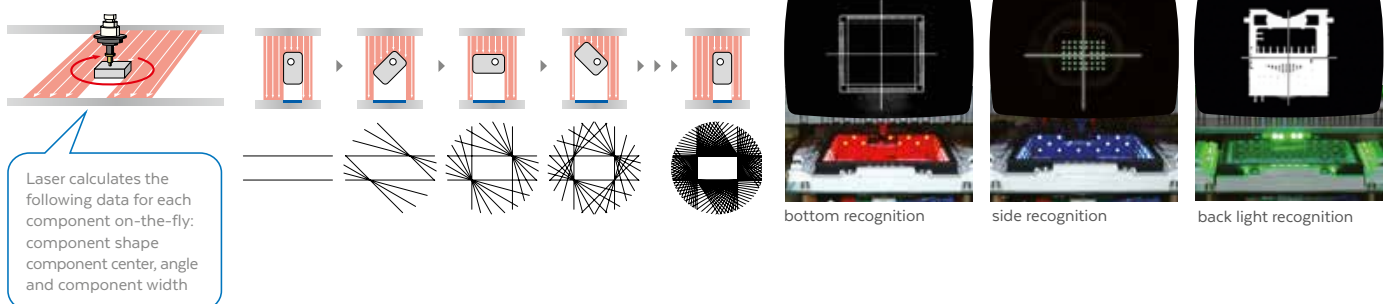


SMART TECHNOLOGY 2

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.

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 | |

07/2017_Rev01

^{*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.