



High-Speed Chip Shooter

KE-3010A

For placement of ultra-small components

- Component speed : 23,500CPH Chip (Laser recognition/Optimum)
9,000CPH IC (Vision recognition/MNVC option)
- Component size : 0402~□33.5mm
- Board size : Msize : 330×250mm / Lsize : 410×360mm
- Head Specification : Multi -nozzle laser head×1 (6nozzles)



High-Speed Flexible Mounter

KE-3020VA

For placement of large/odd-shaped components

- Component speed : 20,900CPH Chip (Laser recognition/Optimum)
9,470CPH IC (Vision recognition/MNVC)
- Component size : 0402~□74mm / 50×150mm
- Board size : Msize : 330×250mm / Lsize : 410×360mm
- Head Specification : Multi-nozzle laser head ×1 (6 nozzles) plus
IC head with CDS sensor (1 nozzle)×1



General Catalog



SOFTWARE



STORAGE



PRINTING



INSPECTION



PLACEMENT



INSERTION



SOLDERING



*Please refer to the product specifications for details.
■JUKI Specifications and appearance may be changed without notice.

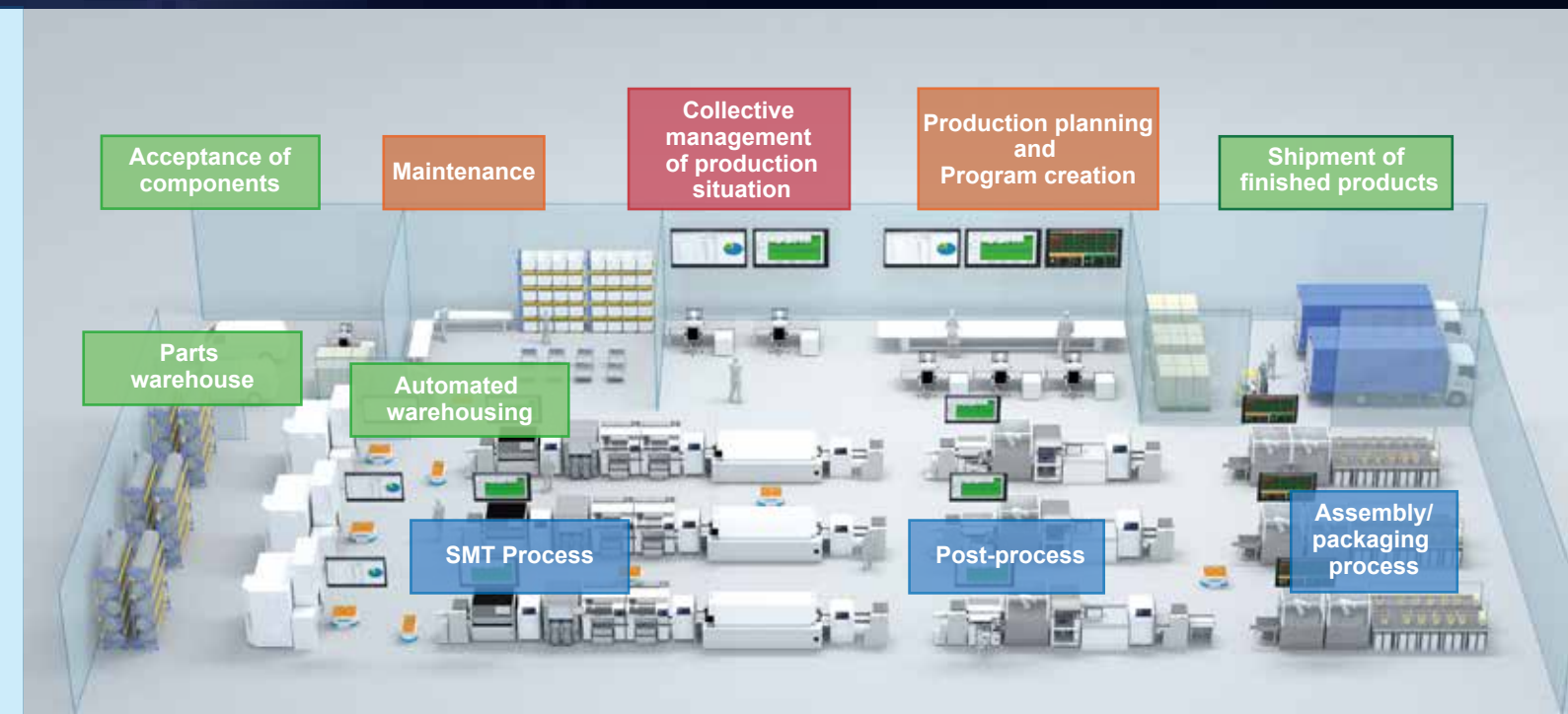
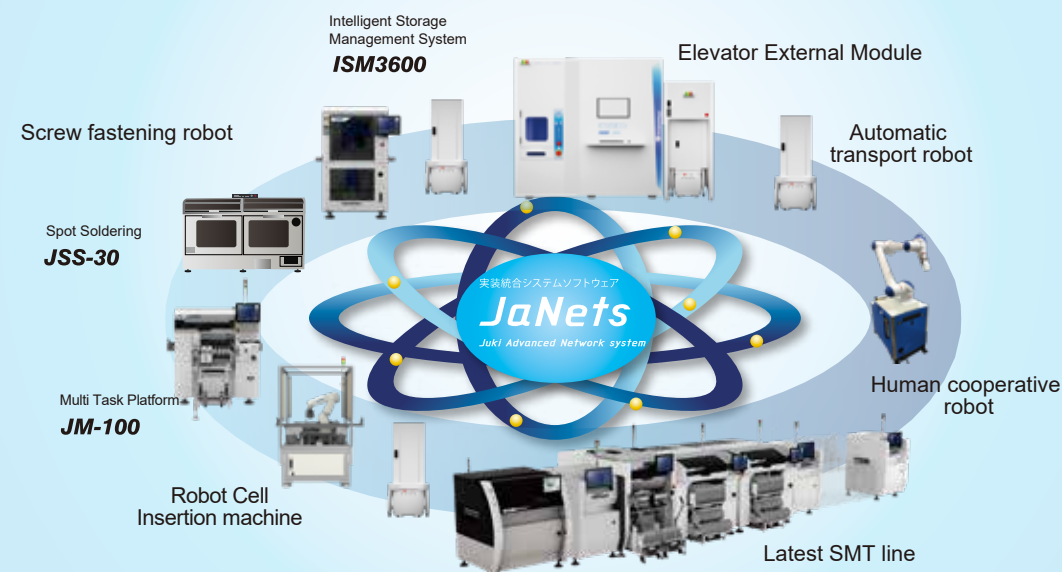
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JUKI Smart Solutions

Innovative production efficiency improvement in your entire factory.

Innovative production efficiency improvement in your entire factory.



Fast Smart Modular Mounter

RS-1R

Placement speed
47,000 CPH
(optimum)



Superior Productivity. Versatility.
With the best throughput in an advanced, all-in-one

- Placement speed : 47,000CPH (Optimum)
- Board size : 1,200×370 mm *1
- Component size : 0201*2~□74 mm / 50×150 mm

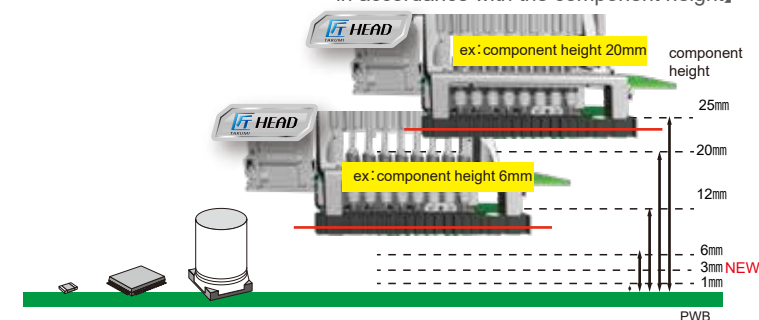
- ◎New head design automatically adjusts the centering height based on components placed.
- ◎Class leading speed, up to 47,000 cph*3
- ◎Optimum line balance and highest throughput
- ◎New RF feeders are smaller, thinner, and lighter
- ◎Wide component range
- ◎Deal for LED products. High accuracy of diffusing lenses.
- ◎Supports for XL sized board.

*1 250mm conveyor extensions, upstream and downstream.
*2 Please confirm in detail
*3 under optimal conditions

Self-Optimizing Smart Head

"Takumi head" that automatically optimizes it's 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.

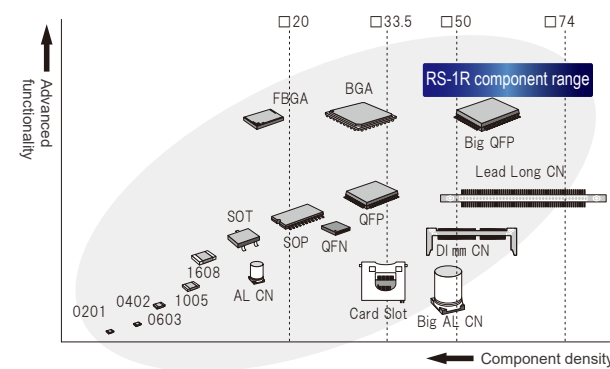
[Variable height of the laser sensor in accordance with the component height]



Wide component range from 0201 (metric) to large connectors and ICs

RS-1R supports components from 0201*1(metric) up to 74mm square or 50x150 rectangular parts. Component height up to 25mm.

*1 With 10mm view camera. Please contact in detail.



PWB Visual Inspection Machine Series

RVseries

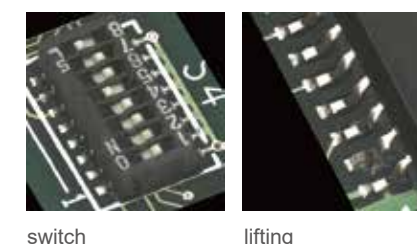
Inline high-speed, high-accurate PWB inspection machine available for various purpose.



RV-1 Large PWB model
RV-2 Compact model
RV-2-3D 3D inspection model
RV-2-3DH High speed 3D inspection model

NEW

Sample 3D Images*



Ideal for measurement applications not only in electronic components but in all factories

Measurement appliance RV series

Meets various inspection / measurement needs

1. Inspection of all important parts
2. Reduction of investment cost/ inlining inspection process
3. Realization of IoT conversion throughout the factory



High-Speed Compact Modular Mounter

RX-7R

PLANET HEAD

Chip mounter realizing high speed placement of small component

- Component speed : 75,000CPH (optimum)
- Component height : 03015 ~ 5 mm *1 0603 ~ 25 mm *2
- Board size :
 - Single lane conveyor specification 50×50~510*3×450 mm
 - Dual lane conveyor specification
 - Single lane mode 50×50~510*3×450 mm
 - Dual lane mode 50×50~510*3×250 mm
- Head specification
 - P16S×P16S nozzle head
 - P16S×P8 nozzle head
 - P8×P8 nozzle head

*1 For P16SS nozzle head
 *2 For P8 nozzle head
 *3 When using a long size PWB mode.
 *4 For P16S × P16S nozzle head
 *5 Please contact to us for detail.

Placement speed
75,000 CPH
 (optimum)

Capable of small-sized
0201 chip^{*1,5}



998mm

◎Compact design of 998mm width.

◎Planet Head equipped.

◎Parallel placement heads and dual lane conveyor equipped - realize high productivity

Planet head technology realizes high speed and high quality placement

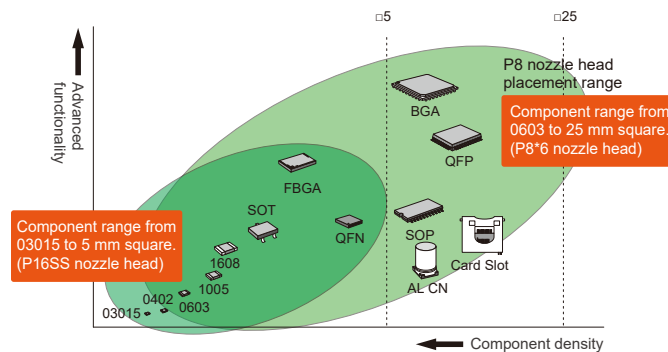
Wide component range



Parallel head configuration

P16S nozzle head: Efficient for placement of very small components.

P8 nozzle head: Efficient for the placement of components ranging from very small components to 25 mm square components.



Solder Paste Printer

RP-1

High-speed and high-precision printer equipped with "Motion Screen"

- Board size : 50 mm × 50 mm - 610 mm × 510 mm
- Cycle time : 6sec+Printing time
- Printing accuracy : ±10μm (6σ)

- ◎Special feature "Motion Screen" adjusts printing position by moving the screen.
- ◎Realizes high-accuracy positioning of ±10μm and high-speed printing within 6 seconds + printing time.
- ◎"High-Speed Cleaning" and "Automatic Solder Dispenser" are available as option.

Positioning accuracy
±10μm



High-Speed Compact Modular Mounter

RX-6R RX-6B

Placement speed
52,000 CPH^{*1}
 (optimum)

High speed flexible mounter corresponding to wide range of components and PWB

- Component speed : 52,000CPH (Optimum/chip)^{*1} 14,000CPH (IC) ^{*2}
- Component size : 0402~50 mm ^{*2} 0402~100 mm / 50×180 mm ^{*3}
- Board size :
 - Single lane conveyor specification 50×50~610×590 / 905×590 mm (2 times clamping)
 - Dual lane conveyor specification^{*4} 50×50~360×250 mm / 360×450 mm (single lane conveyor mode)
- Head specification : 6×6 nozzle head 6×3 nozzle head^{*4}

◎Chip component Placement speed 52,000CPH(Optimum)^{*1}
 Placement speed is increased by 24% compared with the existing model.

◎Compact design of 1,250mm width.

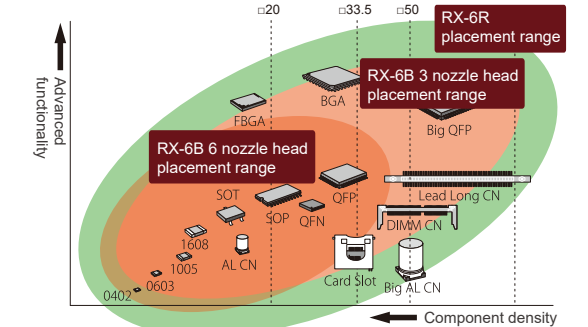
◎Dual-lane production available^{*4}.

*1 For using RX-6R
 *2 For using RX-6B 6 nozzle head
 *3 For using RX-6R / RX-6B 3 nozzle head
 *4 Only available RX-6B



1,250mm

Wide component range



Multitask Platform

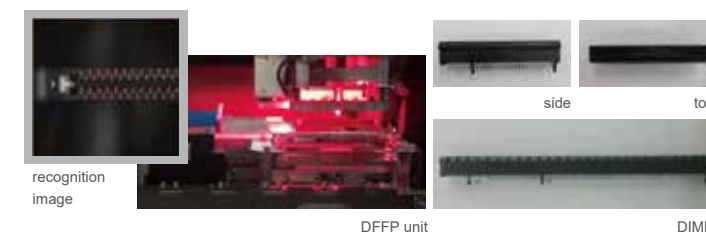
JM-100 JM-20

Higher quality and labor savings by automating manual insertion



Image recognition

New vision recognition method called DFFP can precisely recognize lead tips for greater flexibility. Component such as DIMM and PCI connectors, and large automotive parts are supported.



Laser recognition

The laser sensor is ideal for lead tip detection leading to improved insertion process.

Recognizing component	Recognition result(body)	Recognition result(lead)	Recognition image	component image

Intelligent Storage Management System

ISM series

Automatic supply of components for electronic assembly. Improved production efficiency and material control.

ISM 3600



ISM2000



ISM1800



ISM1100



ISM500



Corresponds for various of supply style

7 inch case



7inch slim case(8mm width)

15 inch case



15 inch slim case (width 8/16 mm) 15 inch medium case

ISM3600 Special case



7inch double caes 15inch case

Space savings

Reducing minim space and creating large storage space

【Before】



【After】



Moisture control

Component controls moisturize less than 5%

- ◆Manages remaining time for MSD component
- ◆Moisture traceabilityfeature



Maintains 5% or less

【Before】



【After】



No Vacuum pack Available a case for MSD component

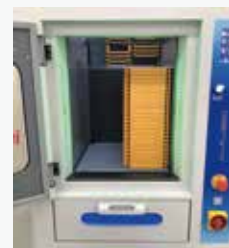
Automatic component In-Out

Maximum 27 reels bulk component in-out

- ◆No operator during in-out operation
- ◆Eliminates component miss pick up
- ◆First-in First out is available



27 reels bulk in-out



Pressing one button and start

SMT Total System Software

JaNets
Juki Advanced Network system



Database Management*

- Data sharing via DB server
- Machine management information
- Production program management

*Please contact us for availability.

Intelligent Feeder System

IFS-NX
Intelligent Feeder System



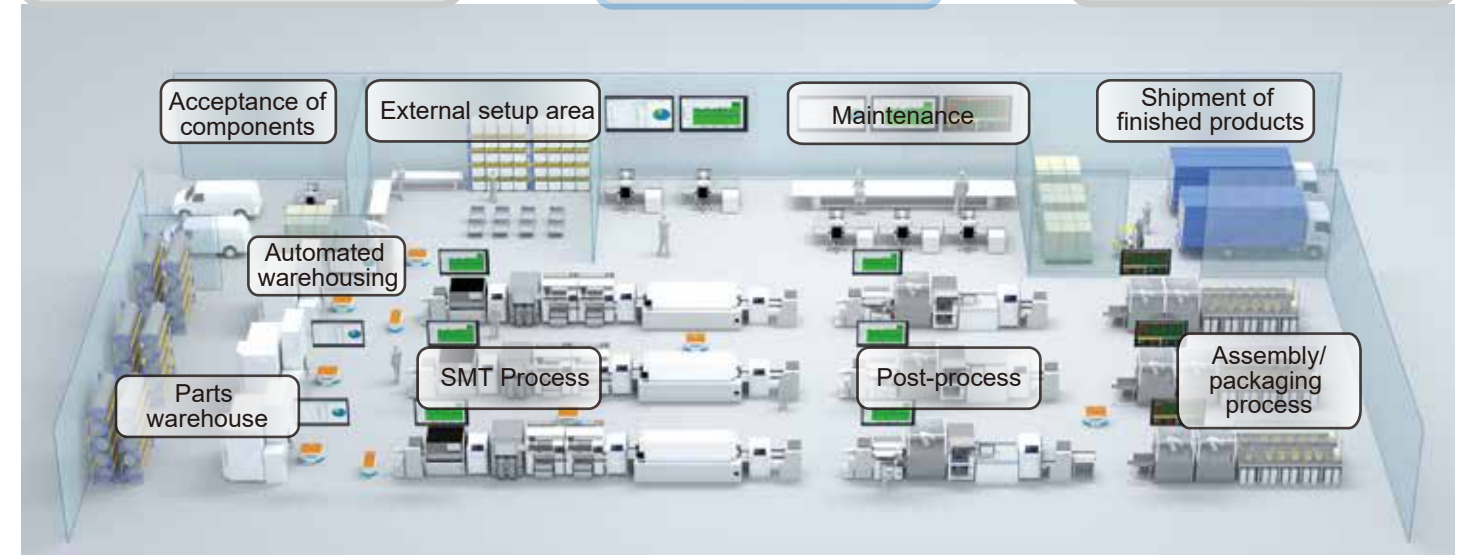
Maintenance Management

- Feeder maintenance history management



Machine Monitoring

- External output (Machine operation / production information)
- MES interface



Parts verification

- Parts verification
- Off-line setup function*
- Random feeder setup
- MSD*

*Requires IFS-NX compatibility



ISM Interface

- Parts request
- Remaining parts management



Line management

- Real time production monitoring
- Production program creation and editing
- Production program download
- Single job optimization
- Multi-job optimization
- Simulation



Traceability

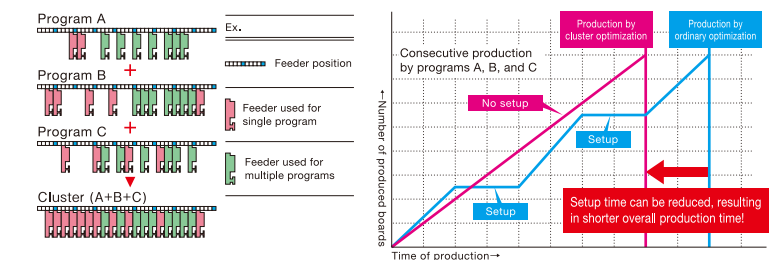
- Database management (Search, summarize, export*)

*Traceability of JaNets is data output only

Data creation function

Cluster optimization

Cluster optimization groups several different production files together in a common feeder setup. It reduces changeover time by eliminating the need to setup feeders between jobs.



Flexline CAD*

Data conversion system to convert text data files generated by CAD systems or output from other machines to JUKI data format. Users can choose from pre-defined input formats or define and save custom conversion formats.

*option

Parts verification

IFS-NX ensures the correct components are placed on the PCB by verifying the part number required to the reels used. Production cannot start if any component is incorrect. Match is also verified every time a component is replenished.

With RFID/CAN System

The location of every feeder is automatically detected when the feeder is placed on the machine. It helps the operator's efficiency and provides a double check of the location.

