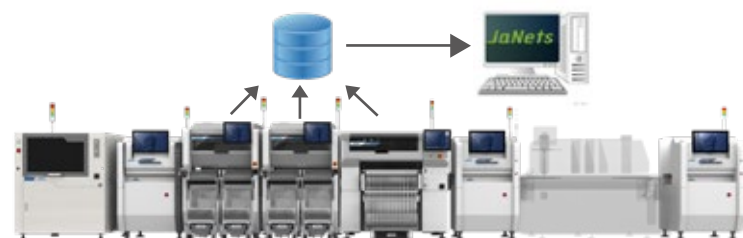


Support equipment data collection, analysis, countermeasures, and improvement activities for daily productivity and quality improvement. Equipment operation data is automatically collected and displayed on an easy-to-read screen such as error ranking and the number of error occurrences in chronological order. In addition, remote assistance from a location away from your factory is also possible.

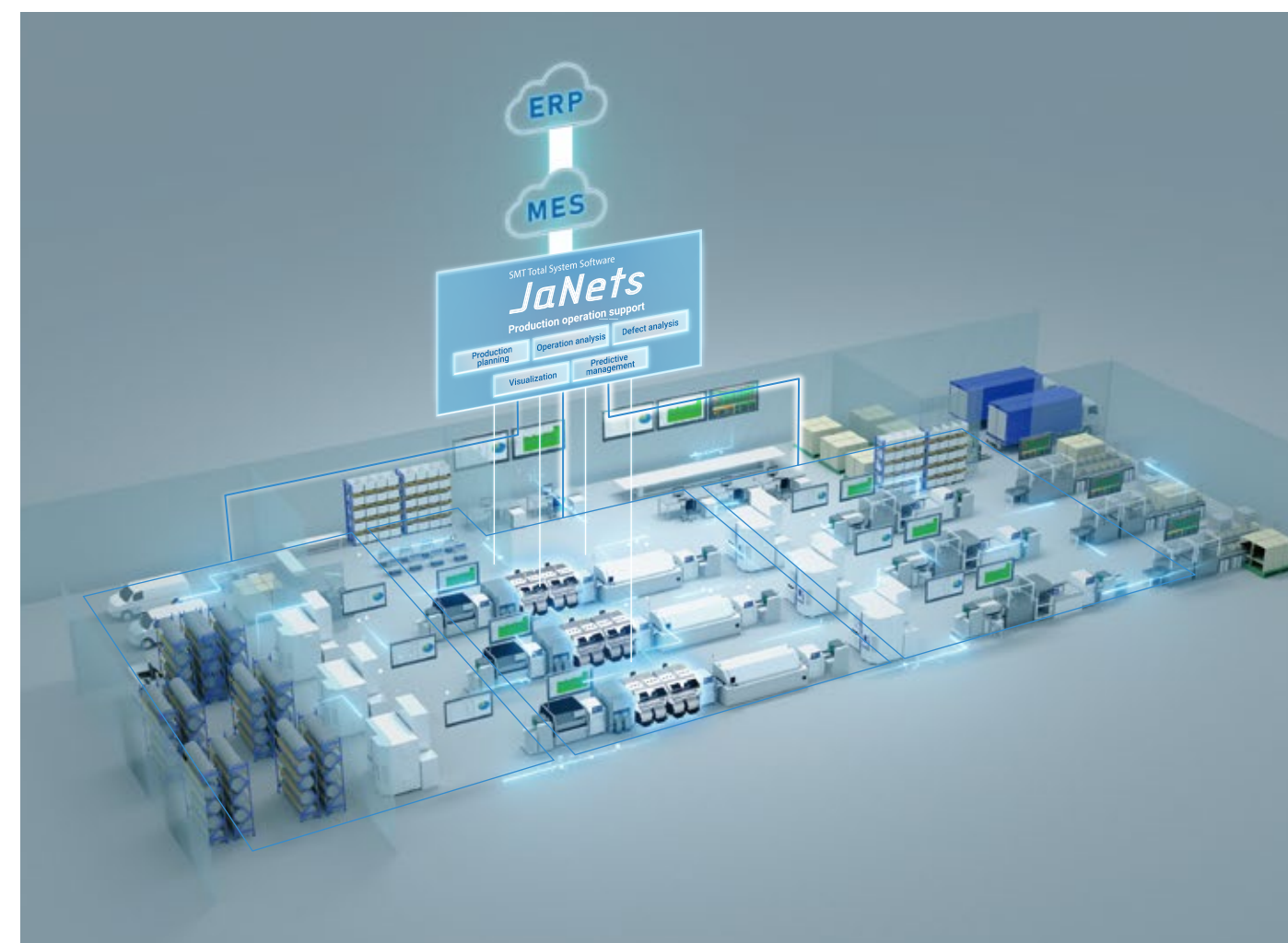


Problem Resolution

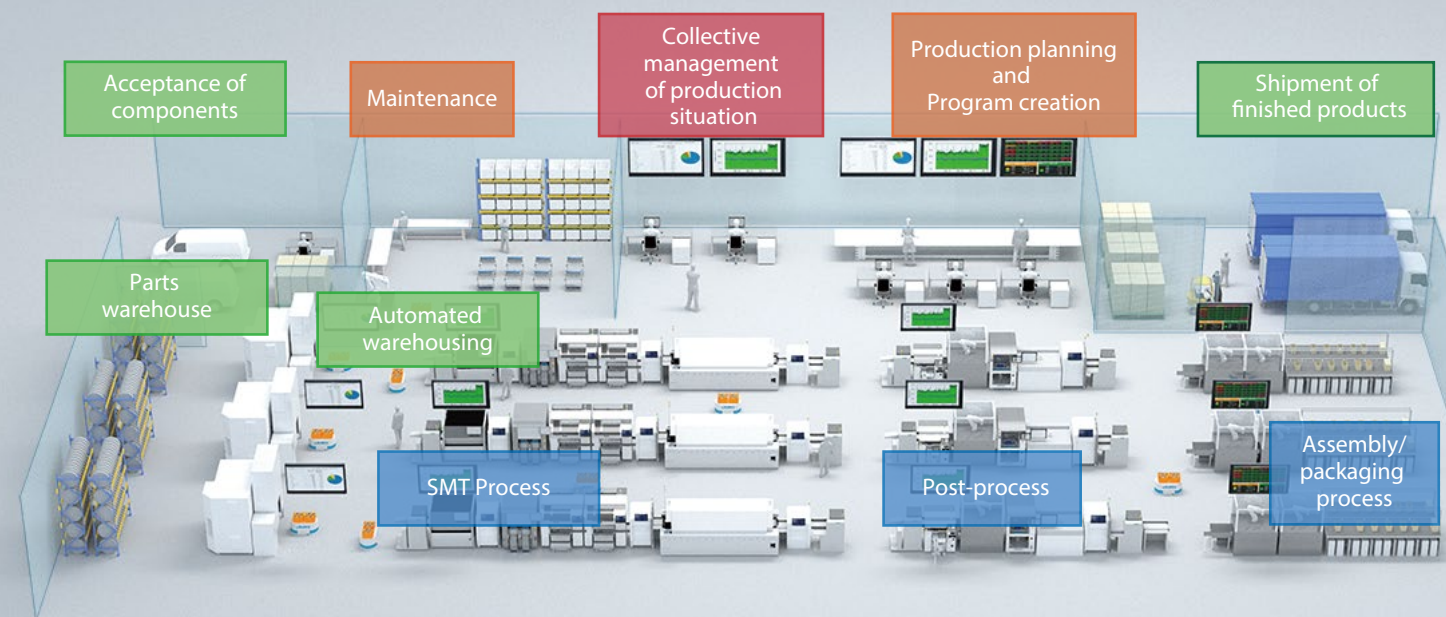
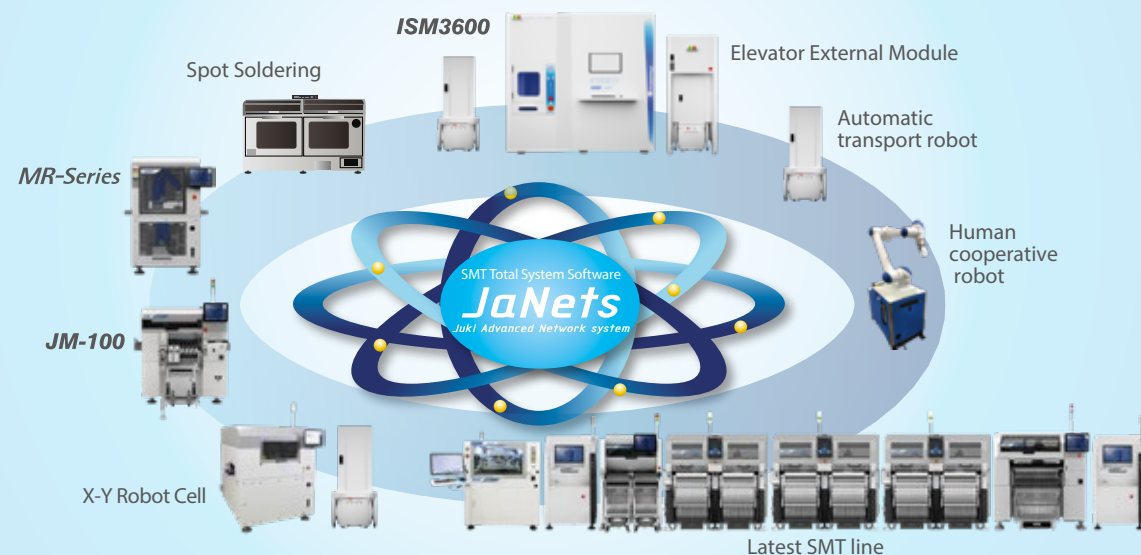


Increases Productivity

General Catalog



Innovative production efficiency improvement
in your entire factory.



Advanced Flexible Mounter

NEW

LX-8

PLANET HEAD

TAKUMI HEAD



2 Head High-speed placement
and area production are achieved

Placement
speed
105,000
CPH^{*1}

- Placement speed : 105,000CPH^{*1}
- Placement accuracy : P20S head : $\pm 40 \mu\text{m}$ ($25 \mu\text{m}^2$) (Cpk ≥ 1)
Takumi head : $\pm 35 \mu\text{m}$ (Cpk ≥ 1)^{*3}
- Feeder capacity : Tape: Max.160^{*4}

- Ultra-high-speed mounting boasting 105,000 CPH*, the highest in its class
- Realization of highly efficient production through high area productivity
- P20S head/design head, selectable for each characteristic
- New User Interface pursuing ease of use
- Head can be replaced by the user.
It can flexibly respond to changes in production boards.
- The number of feeder slots is 160 or more*, which is the largest in its class.
Significantly shortens changeover time.
- Wide component range
- Integrates seamlessly with the production environment

^{*1} For P20S head x 2
^{*2} Image recognition, high-precision mode
^{*3} For laser recognition
^{*4} Please contact for details
^{*} Please contact us for P20S head



Left and right heads that can be freely combined



Head replacement^{*4}



New user interface pursuing ease of use

High-Speed Compact Modular Mounter

RX-8

PLANET HEAD



Highest placement rates per square
meter (sq foot)^{*1}
Achieves high-speed placements of
up to 100,000 CPH^{*2}

Placement
speed
100,000
CPH^{*2}

- Placement speed : 100,000CPH^{*2}
- Component size : 0201^{*3} ~ $\square 5\text{mm}$
- Board size : 50x50 ~ 510mm^{*4} x 450mm^{*5}

- High-speed placements of up to 100,000 CPH^{*2},
best-in-class placement rate per square meter (sq ft)^{*1}
- Integrates seamlessly with the production environment
- Achieves high quality production

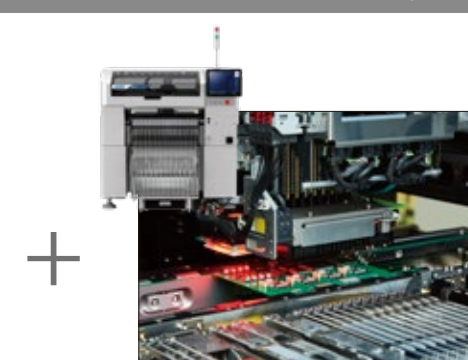
^{*1} Market survey data
^{*2} Optimum
^{*3} Please contact in detail.
^{*4} BOC, Bad mark, and 2D barcode can be read only if board length is from 50mm to 350mm.
^{*5} In long board mode (two boards can be produced simultaneously up to 420mm long).



Creates a high-speed, flexible line when combined with the Takumi Head (RS-1R)



Planet head (RX-8)



Takumi Head (RS-1R)



Introducing the New P20 head

Fast Smart Modular Mounter

RS-1R

Placement
speed
47,000
CPH^{*1}

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

- Placement speed : 47,000CPH^{*1}
- Board size : 1,200×370mm^{*2}
- Component size : 0201^{*3}~□74mm / 150×50mm

- ◎ New head design automatically adjusts the centering height based on components placed.
- ◎ Class leading speed, up to 47,000 CPH^{*4}
- ◎ Optimum line balance and highest throughput
- ◎ Nozzle traceability function
- ◎ Large nozzle ATC
- ◎ Wide component range
- ◎ Deal for LED products. High accuracy of diffusing lenses.

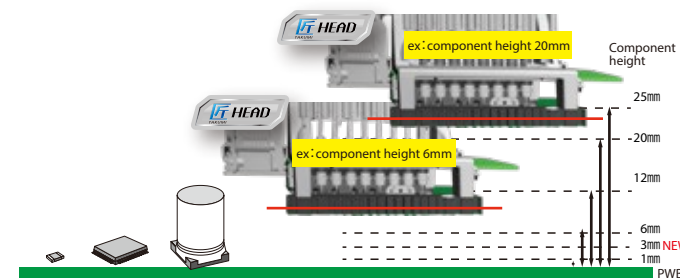
^{*1} Optimum
^{*2} 250mm conveyor extensions,
upstream and downstream.
^{*3} Please confirm in detail
^{*4} Under optimal conditions



Self-optimizing smart head

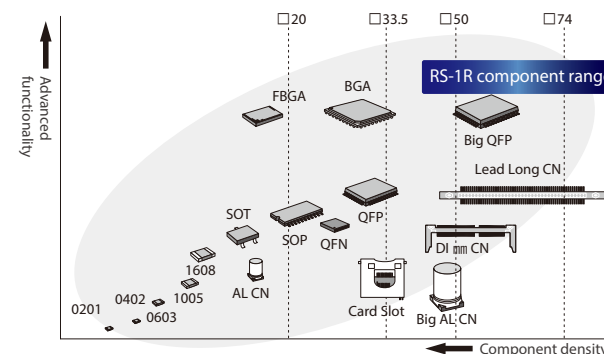
"Takumi head" that automatically optimizes its height between 6 different positions based on component height. Tact time is optimized by keeping the head as close to the PCB as possible for the components placed.

[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 50×150 rectangular parts. Component height up to 25mm.
^{*1} With 10mm view camera. Please contact in detail.



Fast Smart Modular Mounter

RS-1XL

Placement
speed
42,000
CPH^{*1}

Changing the RS-1 functionality does not require head replacement. The revolutionary design adapts to the production requirements automatically.

- Placement speed : 42,000CPH^{*1}
- Board size : 50×50 mm~ 650×560 mm
- Component size : 0201^{*2}~□74 mm / 150×50 mm
- Machine dimensions (W×D×H)^{*3} : 2,109×2,000×1,440 mm

- ◎ New head design automatically adjusts the centering height based on components placed.
- ◎ Optimum line balance and highest throughput
- ◎ Wide component range
- ◎ Deal for LED products. High accuracy of diffusing lenses.
- ◎ Supports for XL sized board.

^{*1} Optimum
^{*2} Please confirm in detail
^{*3} D dimension does not include the front operation monitor.
H dimension does not include signal tower.



Solder Paste Printer

Multi-function model

Basic model

RP-2(HP)/RP-2(B)

High Precision Solder Paste Printer
with excellent cost performance

Positioning
accuracy
±10 μm

- PCB size : 50×50 mm - 510×510 mm
- Cycle time : 8.5 sec+Printing time
- Positioning accuracy : ±10μm(6σ)
- Printing accuracy : ±18μm(6σ)
- Stencil frame size : 735 ×735 mm / t : 30 mm

- ◎ The solder paste is automatically dispensed across the entire squeegee length, maintaining at 15 mm rolling diameter, adopting the common 500 grams' solder paste jar. Completely eliminates the wastage of solder paste overflowing to the sides of squeegee.
- ◎ Tracing solder paste rolling diameter in real time and trigger the auto dispensing if it falls below 10 mm. Completely eliminate insufficient solder paste on stencil and keep the paste rolling speed within optimum range to achieve best printing result.*

* Only available HP type.



PWB Inspection Machine Series

RVseries

SMART INSPECTION MACHINE
with Measurement Function



RV-2
2D model
(AOI/SPI)



RV-2-3DH
High-speed
3D model
(AOI/SPI)



RV-2-3DHL
High-speed 3D
Large PCB model
(AOI/SPI)

Overwhelming speed

^{*RV-2-3DH/3DHL}

Large improvement in inspection tact with high-pixel (12 million pixels)
FOV(Field of View) is expanded by 192% compared to the previous model.

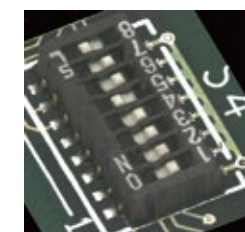
1. Inspection speed 61.8 cm²/sec
2. Resolution 12 million pixels
3. Image angle 48mm×36mm
4. Number of inspection blocks significant reduction

World's
fastest^{*}

^{*1} For 12μm camera
^{*2} As of June 2020

Sample 3D Images^{*}

^{*RV-2-3DH/3DHL}



Switch



Lifting

Intelligent Storage Management System

ISM Series

ISM Series for all your component management needs



ISM 3600



ISM 2000



ISM 1800



ISM 1100



ISM 500



Store a variety of packaging

【ISM2000/ISM1100 Cases】

7 inch reel Strip Tape Parts in Bag Module Up to 15 inch Reel JEDEC Trays



7 inch case:
tape width 8mm, 12/16mm

15 inch case:
tape width 12 / 16mm, 24mm

【ISM3600/ISM1800 Cases】

7 inch double case 15 inch case



Case height adjustable up to 88mm

Space savings

◎ Smart warehouse management with big capacity

【BEFORE】



【AFTER】



Moisture control

- ◎ Manages Remaining time for MSD component
- ◎ Moisture traceability function compatible
- ◎ Manage products with low moisture
- ◎ Eliminates the need for barrier bags

【Without ISM】

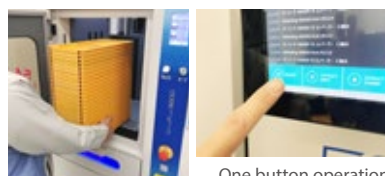


【With ISM】



Bulk Insertion/Extraction

- ◎ Minimal operator time required
- ◎ Eliminates wrong part delivery
- ◎ FIFO management

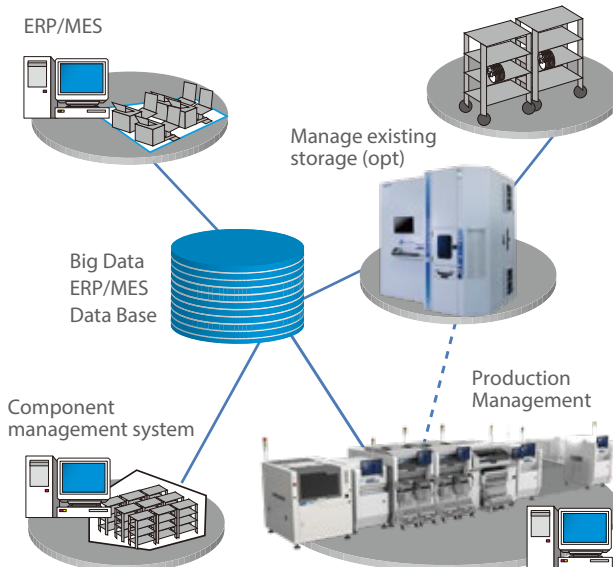


Stack of 27 cases

One button operation

System integration

- ◎ Improved component management reduces excess inventory



Material receipt registration system
Incoming Material Station



■ Incoming Material Station makes the work of receiving reel parts more efficient and reduces work mistakes. In addition, it improves data registration and traceability while generating a new unique ID during warehousing work.

Storage extension module for ISM 3600
ISM 3900



■ Extension module ISM 3900 offers a solution to efficiently use space in the warehouse by simply and quickly increasing storage capacities. The expansion module ISM 3900 can be connected to the back of the ISM 3600 to store more than 11,000 reels.

Multitask Platform

JM-Series

Higher quality and labor savings by automating manual insertion



JM-100



JM-50



JM-20



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.

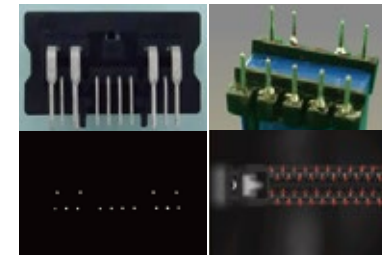


Image recognition

NEW General Purpose Bulk Feeder MVF

Bluk feeders typically are custom made for one particular part and require a lot of space. Our new Flexible Bulk Feeder is dramatically smaller than bowl feeders and can handle a range of part types. It mounts on our standard feeder bank and can be installed and removed quickly and easily.



Multitask robot system

MR-Series

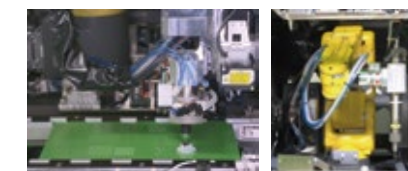
Save labor through automation
Revolutionary robot system that's capable of multiple processes



Different robot combinations are possible based on application requirements

By setting up different robots at the top and the bottom sections, multiple tasks can be achieved at the same time.

*The photo is an example



Upper section is insertion

Lower section is screw tightening

Achieves high-accuracy insertion with vision recognition technology.

Using Juki's original 3D image recognition system allows more accurate recognition of parts of any shape. Can also recognize SMT leads, metals, plastics, etc.

Easy to program, shortens production start-up time

New programs can be easily generated by using the same programs from the placement machines. Customers, even new ones, can get to production quickly. The upper and lower robots are also compatible with robots from many different companies.

