

■ Specifications

		3D board visual inspection machine RV-2-3DH (AOI) RV-2-3DH
Board size		50mm × 50mm-410mm × 300mm 50 mm × 50 mm-630 mm × 300 mm (action to long board) *1
Test resolution		12 µm (standard resolution)/5 µm (high resolution)*1
Image angle		48.0 × 36.0mm, 20.0 × 15.0mm *1
Inspection items		Shorting, shear, polarity, side-reverse, unsoldered solder, bridge, solder quantity, insertion part omission, character recognition*1
FOV (Optimum condition)	2D	0.2 sec/1 screen
	3D	61.8cm ² /sec
Power supply		AC 3-phase 200-230 V *2
Apparent power		2.0kVA or less
Air pressure		0.5MPa
Air consumption (standard condition)		10L/min
External Dimensions (W×D×H)		940mm × 1,276mm × 1,530mm
Weight		approximately 1,000kg

*1 This can be done with the optional.

*2 The optional external transformer can accommodate 240 V AC three-phase and 380 V-430 V.

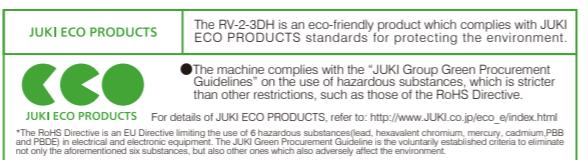
■ Option*1

Hardware options	Software options
Lens Resolution 5µm	●
NG marking Unit	● *2
Dispenser Unit	△
Emergency Pass Unit	●
UV light	●
Long board	● *3
Board back up unit	●
Calibration plate	●
Vibration control pad KIT	●
IF cable	●
OK,NG Cable	●
Transformer	●
SSD 2TB	●
Memory 128 GB	●
	Communication license
	Code reader silence
	OCR silence
	TOPSS System license
	Server software
	Remote judge (CCC) license
	Repair System license
	SPC license
	QT (Quarty trace) license
	Offline system software
	Offline basic module
	Off-line code reader license
	OCR license for off line system
	Data shere system license

*1 △:Customized order

*2 330mm×250mm.In addition, the watch can operate only when the long model data is selected.

*3 Maximum size :630 mm×300 mm



*Please refer to the product specifications for details.



JUKI®

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3D board visual inspection machine (AOI)

RV-2-3DH

JUKI®

YOUR solution partner
80th
Global & Innovative

Make Future Faster and Accuracy



Overwhelming speed
Remarkable accuracy

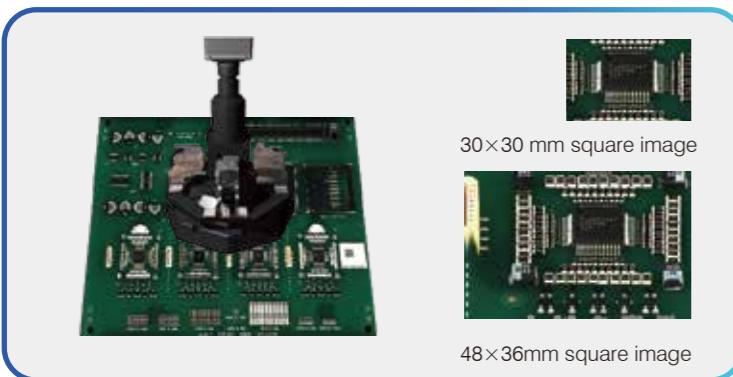
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■ This catalogue prints with environment-friendly soyink on recycle paper.

Feature 1 Overwhelming speed

Large improvement in inspection tact with high-pixel (12 million pixels)

1,200 The use of a high-pixel camera with all pixels has expanded the camera field of view by 192% compared to the previous model. This resulted in the fastest inspection speed in the world in the class, 61.8cm²/sec. By speeding up inspection speeds, we can further accelerate production lines. In addition, by enlarging the angle of the image, the inspection was realized with a minimum number of blocks.

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



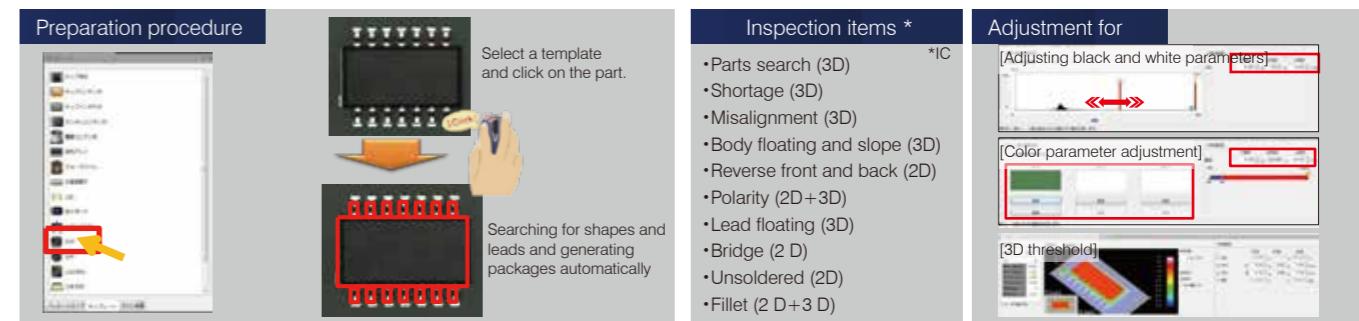
World's fastest*

* As of November 2018

Feature 3 Ease of use of rating

Process modes that are easy to use and create, from beginners to senior citizens

The "Template Mode" is a simple, quick, and high performance inspection that automatically generates packages by only selecting test part types with a pre-prepared template. In addition, adjusting black and white and color parameters and adjusting the 3D threshold allow you to customize the inspection standards freely, making it easy for less experienced operators to create the test data. In addition, a unique process mode can be mounted as a standard, making it more flexible.



Template mode image

Feature 4 Visual inspection automation

RV series, which can also be used for measurement

It is possible to automation visual inspections that have been performed manually, such as planarity inspections, clearance checks, hole diameters, pitch checks, geometry checks, color checks, and dirt checks of processed parts, press parts, ASSY parts, etc. It is ideal for measuring important precision components such as automotive, medical, and electronic devices. In addition, labor shortages and in-line inspection processes are realized.

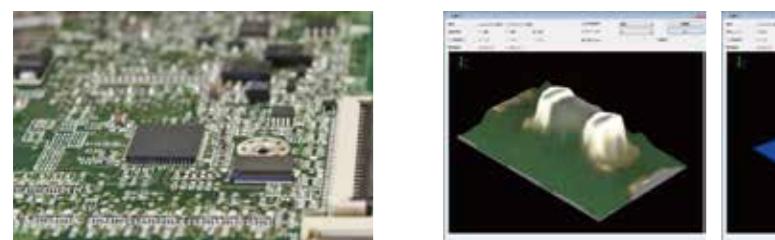


Visual inspection automation realization image

Feature 2 Remarkable accuracy

Using high-resolution lenses improves inspection accuracy of ultra-compact components

The use of a 5 μm (optional) high-resolution lens enables more accurate inspection of microminiature parts such as 0201 parts. This system achieves high-precision inspections even in the production of ultra-small parts and high-precision products, such as smartphones and precision equipment that require high-density production.



Support for inspection of 0201 parts

Feature 5 For improving the efficiency of the entire plant

Achieving the efficiency of the entire factory through system linkage

We also action to the JaNets that connects the entire manufacturing process through networks. We will not only improve quality and productivity, but also visualize management information. In addition, in addition to integrated control of various types of data for each line, the external output function (OP) enables system linkage with the MES customers own.

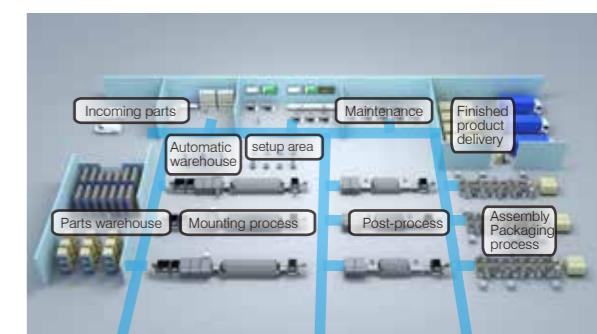


Image of System Collaboration