For Even More Efficient SMT Production
Introducing the 2nd Generation RNS Series

VT-RNS II

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Note: Specifications subject to change without notice
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Make Your SMT Production More Efficient while Achieving Zero Defects

VT-RNS II

Four advantages only Omron can provide

Omron’s second-generation, in-line PCB inspection system the VT-RNS II, delivers fast and reliable results to prevent defective boards from reaching your customer. We simplified the inspection program generation process with our easy-to-use EzTS software to efficiently handle high mix/low volume production.Omron has reduced post-reflow inspection times by 20% by utilizing faster shutter speeds and improved image processing.

NEW

Faster

Improved image processing for faster post-reflow inspections

Compare to the first generation VT-RNS

Field of View 1280x1024

20% Faster

Quick Setup

So easy that anyone can set up inspection programs.

EzTS (Ez-Image Teaching) system makes setting-up easy for anyone

Quick Setup

Highly Accurate

Omron’s 3CCD camera and Color Highlight Technology provide the most accurate inspection capability.

3-CCD camera plus Color Highlight system

Expandable

Omron has the expertise to boost your production efficiency.

Q-upNavi provides total support for process improvement

Faster inspections

Quick setup

High-accuracy inspections

Expandability

The RNS Series continues to address demands for "true production efficiency" for advanced PCBs.

World Class Engineering Support

Omron has built a global support organization for our customers with sales and service offices in some 70 locations covering the major manufacturing centers around the world. Regional coordination ensures consistent, high quality support where ever you choose to set up production. Services are tailored to your needs and include technical support and training in system setup, operations and maintenance.
Maximize your SMT line throughput with the use of quick setup and highly accurate inspection capability.

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1. Program setup
   Create inspection programs quickly for immediate line operation

2. Inspection
   Faster. 20% Faster, highly accurate inspection system

3. Process Improvement
   Root cause defect analysis for a Process Improvement Support System

VT-RNS II delivers outstanding performance at every step of production. Easy-to-set initial inspection parameters are ready for immediate use to perform high-accuracy inspections. Data collected from the inspection stations can be analyzed for root cause analysis of defects for ongoing process improvement. Omron gives you the tools to increase productivity on your PCB assembly lines.

NEW

Compared to previous models, the VT-RNS II also features revamped imaging processes to achieve significantly faster outcomes. In addition to processing faster than that of conventional models, the VT-RNSII system delivers outstanding performance at every step of the process, with no downtime. Inspection system performance is the key.

[Expandable]

Process Improvement Support System

Q-upNavi helps you implement procedures to ensure that defects do not occur.

[Highly Accurate]

Uses Omron’s 3-CCD and Color Highlight Technology

Omron promoted the development of 3-CCD and Color Highlight Technology in PCB inspection systems to obtain correct measurements with high levels of inspection accuracy.

Q-upNavi is quality control software that analyzes inspection results and provides feedback to the production line. This software enables operators to implement corrective procedures in real-time and prevent future defects by occurring regardless of their level of experience or expertise.

Advantages of higher speeds flow through to all production processes. Increased speeds enable the use of higher inspection settings or the use of faster setting times for printed circuit boards.

[Quick Setup]

Simple program generation procedure

EzTS is an automated generation system for inspection programs. It allows even inexperienced operators to generate inspection programs quickly and accurately.

Omron’s 3CCD camera and Color Highlight Technology provide the most accurate inspection capability.

Easy-to-use Ez-image Teaching (Ez-IT) inspection program generation software is equipped as a standard feature, making anyone, from quality and easily create inspection programs. The software also monitors the inspection programs as they can be expressed on the production line without delay.

Simple inspection program generation system

Automated judgment accuracy

Inspection program setup for immediate line operation

Create inspection programs quickly

EzTS VTnx

* Note that this is not supported for some PCBs. Contact your Omron sales representative for details.

[Highly Accurate]

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