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191 FI

Advanced Robolic Vision System (ARV)

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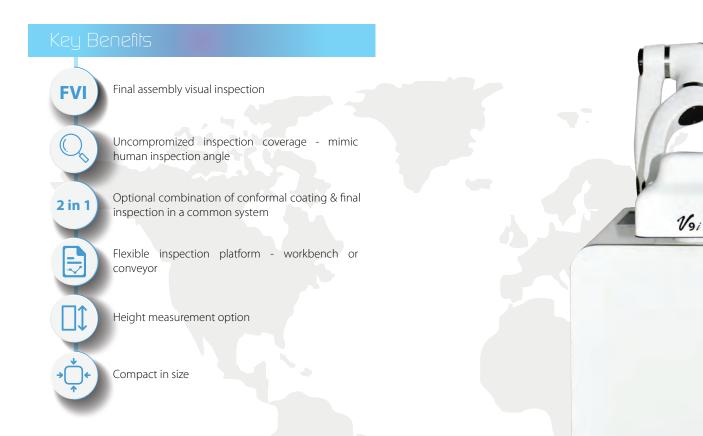
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V9i Final Inspection (FI) Advanced Robotic Vision Inspection (ARV)

Designed for safety and quality-ensured final assembly inspection that involves co-work between human and the robot.



Breakthrough Technologies

Motorized Angle Lightning to Cater for Complex Assembly

With the state-of-the-art patented technology from ViTrox, which enables variable lighting angle for defect detection.





2 Precise Height Measurement through Laser Profiler

Trusted technology for accurate and repeatable results. Through laser profiler, the system extracts the profile and performs accurate height measurement.

Specialized Final Inspection Solution for Various Industries & Applications

Automated final inspection to replace manual inspection at the last gate to identify product defects before it is shipped. With V9i FI, it helps users to conduct a comprehensive detection such as cosmetic and assembly quality inspection. It serves various industry sectors such as automotive, industrial assemblies, telecommunication, etc.







4 2-in-I (ultimate) Inspection Capability

The V9i system combines both final inspection and conformal coating inspection capabilities into one system. Less is more: With a one-time investment, the user could enjoy multiple inspection capabilities.

Coating Inspection:

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- Coating on Keep-Out Zone/Area
- Insufficient/Missing coating
- Foreign Object on coating
- Coating bubble
- Orange Peel
- Excess Coating
- Coating Scratch

Final Inspection:

- Absence/Presence
- Polarity
- Dent/Damage
- Foreign/Extra Object
- Misalignment/Gap
- OCR
- Barcode
- Label
- Glue Inspection
- Pin Inspection



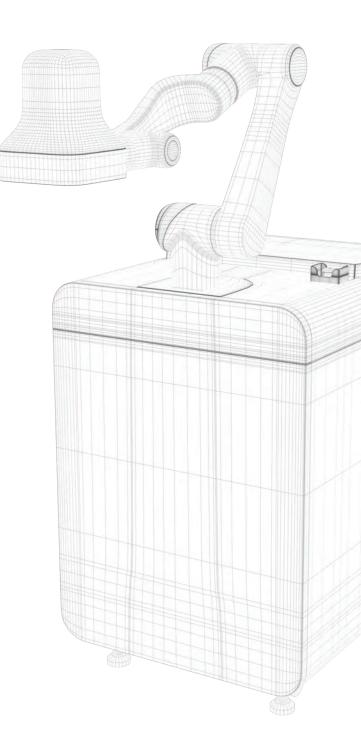






V9j Advanced Robotic Vision Inspection (ARV)

Designed for safety and quality-ensured conformal coating inspection and final inspection that involves co-work between human and the robot.



	V9i Final Inspection (FI)
Inspection Functions	V9i FI provides a wide coverage of final products inspection through the flexibility of multi-angle robotic arm and able to apply rule based & self-learn algorithms to cater for different industry sectors.
System Type	Stand alone system integrated with Cobot
Inspection Coverage	Polarity/ Orientation, Absense/Presence, Knock-off, Component Chip-off, Foreign Object, PCB Exposed Copper, Assembly Inspection, Label Print Inspection, Label Quality Inspection, Connector Inspection, Heigh Measurement
Board & Component Level Traceability	Camera-Read Barcodes; External Barcode Reader Configured
Board & Component Level Traceability System Hardware Computer System Operating System	Camera-Read Barcodes; External Barcode Reader Configured Intel Core i7, 64GB RAM, 512GB SSD, 1 TB HDD, GPU Windows 10 Pro (64 bit)
System Hardware Computer System	Intel Core i7, 64GB RAM, 512GB SSD, 1 TB HDD, GPU Windows 10 Pro (64 bit)
System Hardware Computer System Operating System	Intel Core i7, 64GB RAM, 512GB SSD, 1 TB HDD, GPU
System Hardware Computer System Operating System Camera & FOV Size	Intel Core i7, 64GB RAM, 512GB SSD, 1 TB HDD, GPU Windows 10 Pro (64 bit) 5MP color camera, FOV 65mm*65mm (default)
System Hardware Computer System Operating System Camera & FOV Size Optical Resolution	Intel Core i7, 64GB RAM, 512GB SSD, 1 TB HDD, GPU Windows 10 Pro (64 bit) 5MP color camera, FOV 65mm*65mm (default) ~ 32µm / pixel

Minimum PCB Size (L x W)	50mm (L) x 50mm (W)
Maximum PCB Size (L x W)	510mm (L) x 510mm (W)
* Peeed on system configuration	Specifications are subject to shance

* Based on system configuration.

Specifications are subject to change.

