







ViTrox Technologies Sdn. Bhd. [507043-P] 746, Persiaran Cassia Selatan 3, Batu Kawan Industrial Park, 14110 Bandar Cassia, Penang, Malaysia. Tel: [+60] 4 545 9988 Fax: [+60] 4 545 9987 Email: enquiry@vitrox.com ViTrox Worldwide Sales & Service North America South America Europe Asia Pacific

191 FI

Advanced Robolic Vision System (ARV)

China Division Tel: [+86] 512 6251 9891

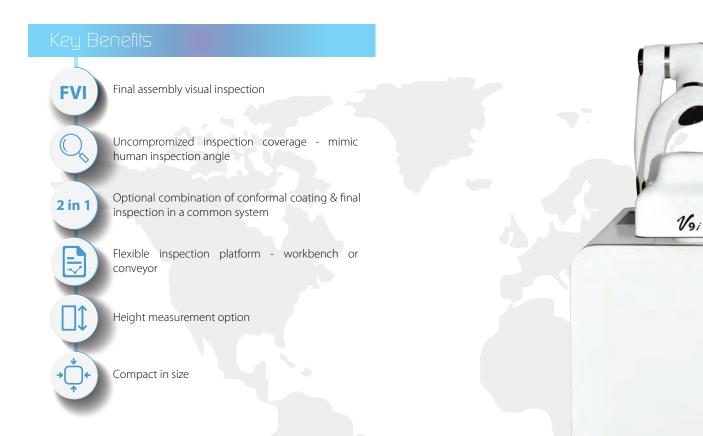
ViTrox USA (San Jose) Tel: [+1] 970 481 3663

ViTrox Technologies GmbH Tel: [+49] 1525 3666666

www.vitrox.com

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:

3

- 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



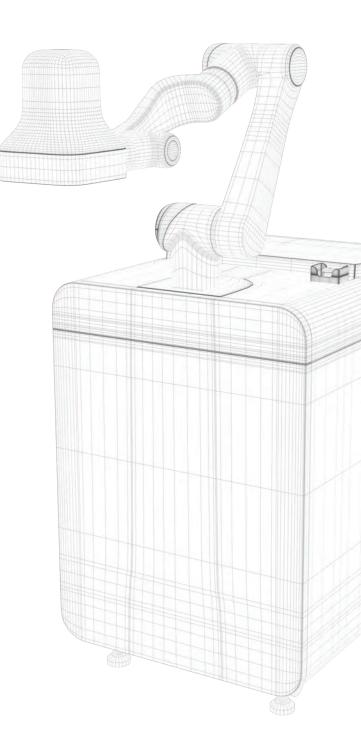






V9j Advanced Robotic Vision Inspection (ARV)

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.

