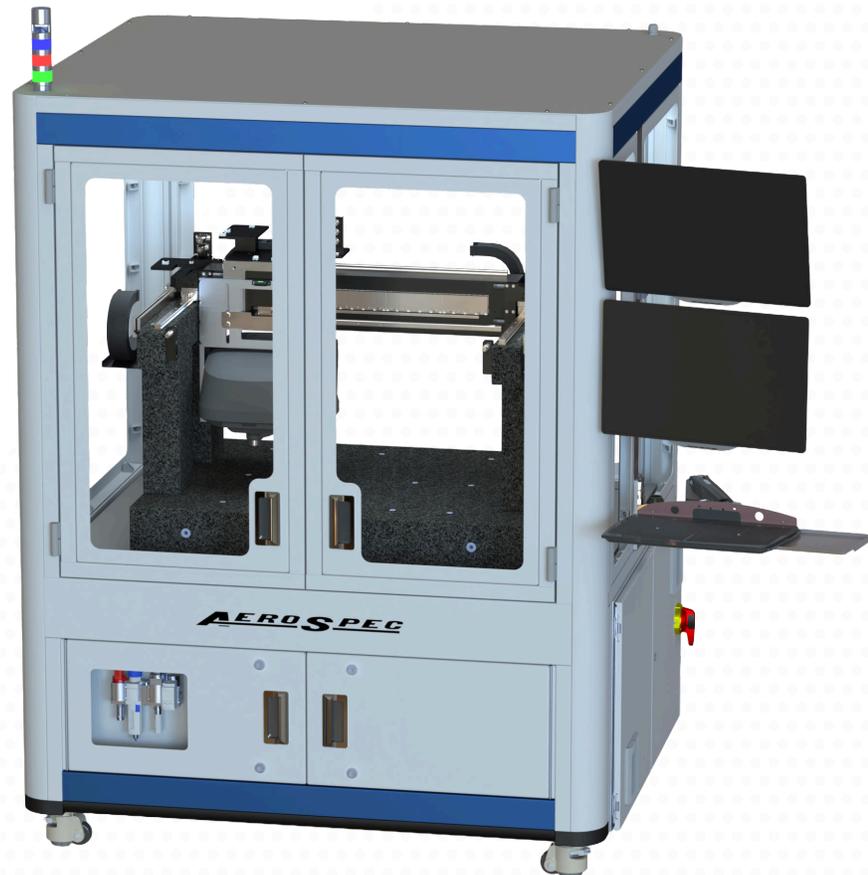


LARGE-AREA, HIGH-PRECISION INSPECTION SYSTEM

METROLOGY



AeroSpec's Large-Area (600 x 600 mm FOV) High-Precision system integrates micron precision inspection tools with the automation capabilities of an AeroSpec factory-ready system. Systems are configured to optimally suit each customer's needs including hardware configurations, software automation, factory provisions, installation, and world-wide support.

FEATURES

- Ready-Integration for Keyence VR, VK or VHX
- Auto-Image-Stitching software for full FOV
- Precision Linear Motor Automation for X, Y and optional Z

APPLICATIONS

- Semiconductor – Full panel and wafer
- High Precision, Batch Manufacturing
- Medical device

SPECIFICATIONS

- Up to 600mm x 600 mm scan areas
- Integrated factory safety, S2S8
- Clean-room ready

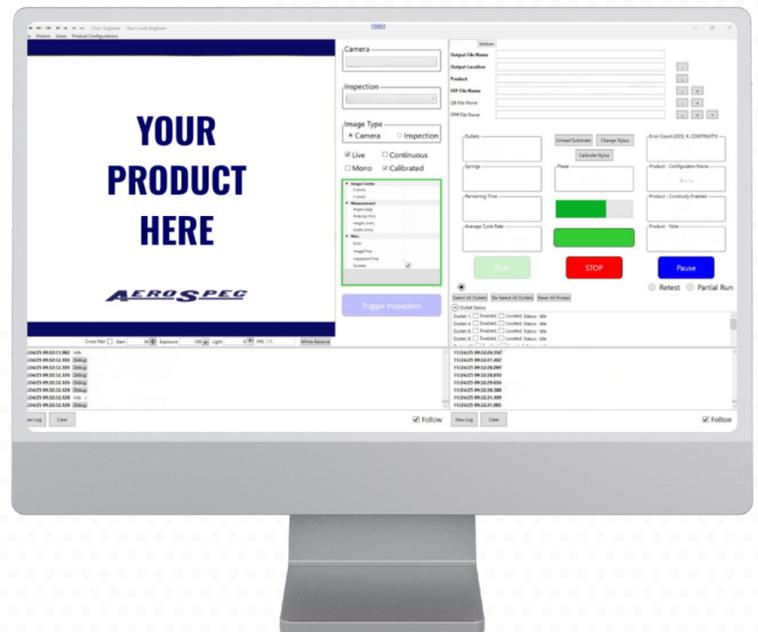
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SOFTWARE SPECIFICATIONS

- Software integrates comprehensive product and recipe wizards/editors.
- Users can define a wide range of products, including size, unit count, fiducial spacing, fiducial appearance, and other configurable parameters.
- Users can create multiple recipes to scan a selected product using individual point scans and area scans, which are automatically stitched into a single composite scan.
- System operation is fully automated based on the selected product, recipe, and units.
- Software integrates a Keyence VK-X scan head for 3D scanning, providing access to all VK-X controls such as scan speed, scan quality, and scan depth.
- Map views support manual alignment, navigation, and targeted scans at various product locations.
- All software settings are configuration-based and can be modified directly within the software.
- Multiple user access levels allow control over features such as manual operation and debugging tools.



PHYSICAL / OPERATING SPECIFICATIONS

- **Operating Temperature:** Minimum 41°F (5°C), Maximum 113°F (45°C)
- **Humidity:** Minimum 20%, Maximum 90% (non-condensing)
- **Incoming Power:** 208Y/120VAC, 3-phase, WYE, 50/60 Hz, 15A maximum
- All maintenance tasks supported using standard hand tools.
- **Weight (max):** 3000 lbs
- **Dimensions:** 75 in (H) x 57 in (W) x 46 in (D)



PROJECT MANAGEMENT

Our project management services ensure the successful planning, execution, and delivery of engineering projects—from concept to completion. We specialize in coordinating multidisciplinary teams, managing timelines and budgets, mitigating risks, and ensuring compliance with industry standards and client requirements.



ENGINEERING DESIGN

We provide comprehensive engineering services tailored to meet the needs of a wide range of industries. Our expertise spans across planning, design, analysis, and implementation of technical solutions that are efficient, innovative, and cost-effective.



MANUFACTURING MACHINE SHOP

Our machine shop services support engineering projects with precision machining, custom fabrication, and high-quality metalwork. Equipped with advanced CNC and manual machines, we produce complex components to exact specifications, whether for prototyping, repairs, or full-scale production.



SUPPORT

Our field support services provide on-site expertise to ensure seamless execution and performance of engineering projects. From installation oversight and system testing to troubleshooting and maintenance, our experienced field teams deliver responsive, hands-on support.

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OUR CAPABILITIES**

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