



PRECISION INSPECTION AND PROGRAMMING

Delivered when you need them most.



ISO/IEC 17025 Accredited Contract Dimensional Inspection & Metrology Services

When internal resources are constrained, production is at risk. MSI Viking helps manufacturers eliminate inspection bottlenecks, meet quality requirements, and keep production moving—quickly, accurately, and with disciplined communication.

We operate as an extension of your quality team, providing overflow capacity, short-term support, or long-term engagement—whether work is performed in our laboratories or on your shop floor.

What We Do

- Contract dimensional inspection (lab-based or on-site)
- CMM programming and optimization
- 3D scanning and reverse engineering
- Portable arm on-site measurement support
- Fixture design and inspection support
- ISO/IEC 17025 accredited calibration
- Metrology training and technical support

Typical Use Cases

- First Article Inspection (FAI)
- Production Part Approval Process (PPAP)
- In-process verification
- Capability studies (Cp / Cpk)
- Production overflow and backlog relief
- Resource gaps (vacation, turnover, special projects)
- Reverse engineering and legacy part support
- Surface finish and form testing
- Tool, fixture, and gage qualification

Primary Markets Served



msi-viking.com

Greer, SC 864.433.9771
 Charleston, SC 843.566.9106
 Durham, NC 919.797.9600

Fairfield, OH 513.829.0900
 Canton, MI 734.451.8740
 Danville, VA 434.836.4243



How We Deliver Value

Inspection Where You Need It

- Services performed in MSI Viking labs or at your facility
- Portable CMM arms and scanning systems for rapid on-site support
- Ability to work directly on customer-owned CMM, vision, or scanning systems
- Extended on-site support available when projects require it

Advanced Measurement Capabilities

Capable of supporting tight tolerances, high volumes, and complex materials and geometries, with sub-micron to low-micron measurement uncertainty depending on application and method.

- High-accuracy bridge CMMs
- Portable CMM articulating arms
- X-ray / CT inspection technologies
- Laser scanning and optical digitizing
- Vision measurement systems
- Surface and form measurement systems

CMM Programming & Software Expertise

PC-DMIS | Inspire | Geomagic Design-X | Calypso | PolyWorks | MCOSMOS | CMM-Manager | MetLogix M3 | Micro-Vu InSpec | Zeiss INSPECT

Training & Knowledge Transfer

- Blueprint reading
- Geometric Dimensioning & Tolerancing (GD&T)
- Dimensional measurement fundamentals
- Calibration methods
- Advanced metrology concepts
- Measurement Systems Analysis (MSA)
- Measurement Uncertainty Budgets
- Statistical Process Control (SPC)
- CMM, PCMM, and VCMM software training

Why MSI Viking

- ISO/IEC 17025 accredited inspection and calibration
- Defined SLAs for response, quoting, and delivery
- Dedicated service coordination and clear communication
- Proven ability to act as an extension of your quality team
- MSI Viking is a leading supplier of precision measurement systems, bringing deep application, service, and inspection expertise to help manufacturers reduce scrap, improve quality, and lower risk and cost.

Additional Support

- High-quality CMM and SF&G replacement stylus
- Accessories and custom stylus solutions
- Part fixturing solutions
- CMM Verification and Calibration Services

