

MSI Viking is a leading provider of ISO 17025 Accredited inspection and engineering services. Our team works with you every step of the way to understand your exact challenges and offer solutions that save you time, money, and effort. From first article inspection and reverse engineering to CMM programming and turnkey solutions, you can always count on our service and support.



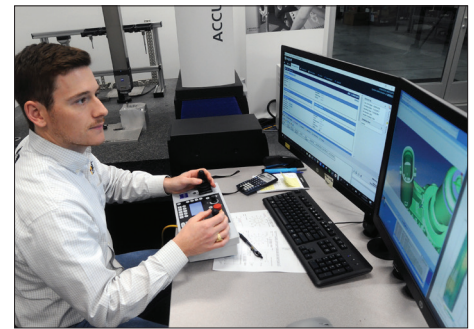
### Inspection Services

- Dimensional Inspection
- Mechanical Testing
- Metallurgical Testing
- Non-Contact Surface Topography
- Sample Preparation & Mounting



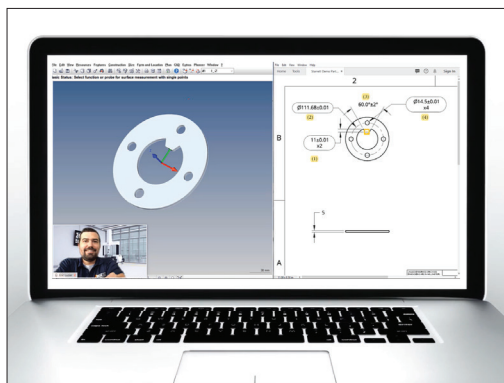
### Engineering Services

- Turnkey Processes
- Reverse Engineering
- Process Capability Studies
- Gage R&R Studies
- Custom Fixtures & Probes



### Equipment Services

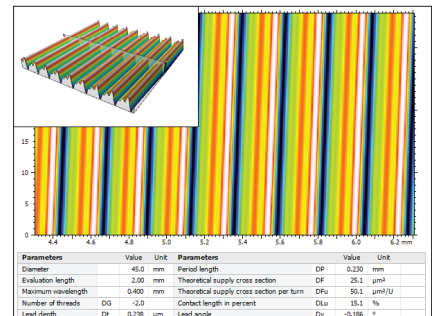
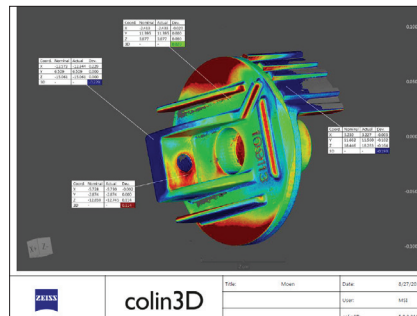
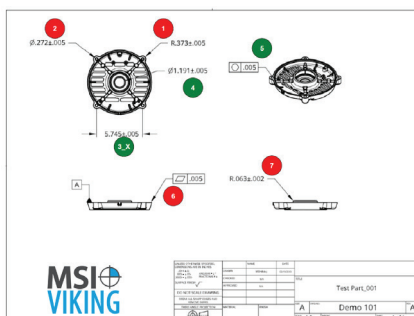
- CMM Programming
- CMM Calibration, Retrofits, Repair
- Metrology Equipment Programming
- Application-specific Training
- Equipment Set-up & Training
- On-Site Support



### Customized Reporting

With any of our inspection services, you'll receive detailed reporting tailored to your needs. Our results are NIST traceable and our knowledgeable staff is always available to discuss the results with you.

Reporting options include 3D color gradient heat maps, First Article Inspection (FAI), form plots, spreadsheets, custom reports, and more.



MSI Viking provides accredited inspection services using the same metrology systems we service and sell. Whether in our climate-controlled labs or at your facility, our team makes sure you're getting fast and accurate results every time. Our engineers work with you to find the most effective way to measure your part. We offer contact and non-contact dimensional measurement, mechanical testing, metallurgical testing, surface topography testing, and sample preparation. With our extensive scopes we're able to tackle nearly any measurement challenge you bring us.

### Dimensional & Mechanical Testing

GD&T	Elongation Testing	Impact Testing
Roundness	Compression Testing	Stress Rupture
Form	Abrasion & Wear Testing	Fatigue Testing
Surface Finish	Bend Testing	Shear Testing
Fracture Toughness	Pressure Testing	Torque Testing
Tensile Strength		

### Metallurgical Testing

Grain Analysis	Non-Metallic Inclusions	Porosity
Particle Analysis	Graphite in Cast Iron	Weld Inspection
Layer Thickness	Hardness Testing	Documentation
Phase Analysis		

### Non-Contact Surface Topography

Tribology Evaluation	Fast Fourier Transform	Area
BGA Coplanarity	Fractal Analysis	Twist/Lead Angle
Voids & Structures	Grain Analysis	Depth
2D & 3D Surface	Contour Analysis	Flatness

### Sample Preparation Services

Cutting	Grinding	Complete Services
Mounting	Polishing	Equipment Sales
		Consumables Sales



## MSI Viking Inspection & Testing Labs

Our Accredited inspection labs are fully equipped with the most technologically advanced systems including *Multisensor CMMs, 3D Scanning Systems, X-Ray CT Systems, Vision Systems, Video Comparators, SF&G Systems, Laser Displacement Sensors, Industrial Microscopes* and much more.

Set up a metrology "pre-op" assessment to learn more about what we can do for you.

