

**Geometric Design
and Technology, Inc.**

Geometric Design and Technology, Inc.

20040 Cochran Rd. ~ Meadville, PA 16335

Telephone (814) 336-2776 ~ Toll Free 1-866-807-4795

Fax (814) 337-0684 ~ www.gdandtinc.com

Located in Northwest PA – Meadville.



Lab Layout

2500 sq. ft. climate-controlled $68^{\circ}\pm 2^{\circ}$



Services Offered

Dimensional Inspection: First Article / 100% Dimensional Inspections, Statistical Analysis, Gage R&R/MSA Studies, PPAP Inspection Requirements, Troubleshooting Inspection.

Reverse Engineering, part scanning / digitizing point cloud.

Custom Fixture / Gage Design, Build, and Certification.

Custom Programming of Inspection Equipment for install on-site at customer facilities.

Full Turn Key Packages: for your in-house inspection needs (Fixture Design and Build, Programming with setup protocol, and Training).

Inspection (dimensional and/or visual) with sorting and containment.

Metrology Consultation

Geometric Dimensioning and Tolerancing training to ASME Y14.5 standard.

Drawing review for proper application of GD&T requirements.

Inspection Plan Development.

3D part or Fixture printing - Markforged 3D printer

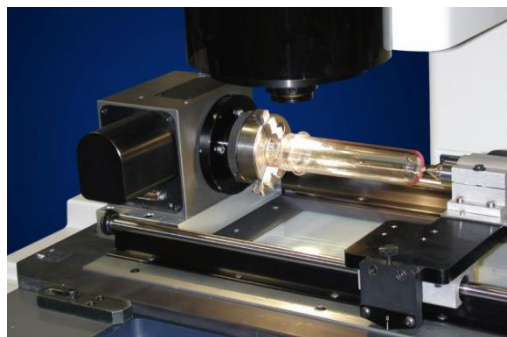
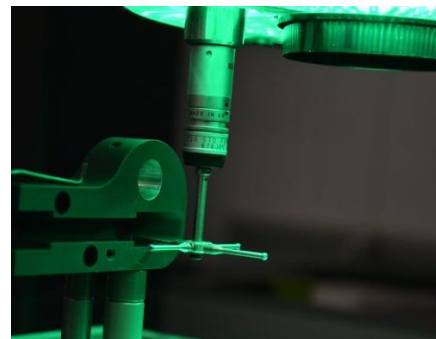
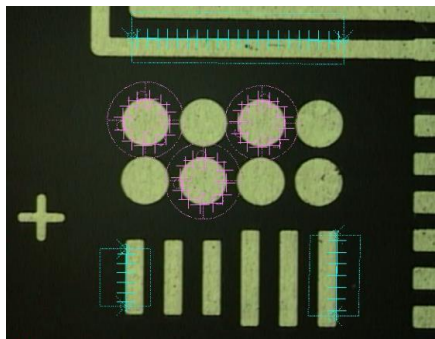
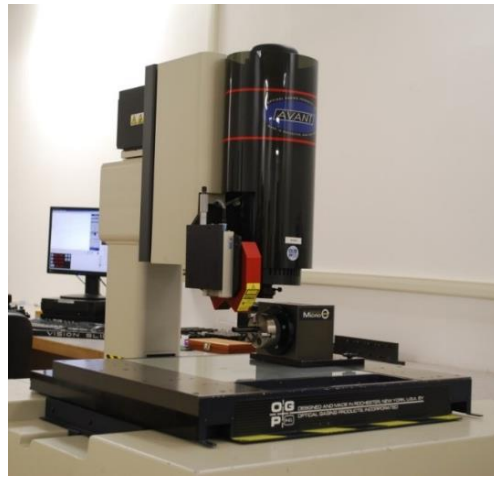
Inspection and Gage Certification is ISO/IEC 17025:2017 Accredited when performed in-house at GD&T. A2LA Certificate 1984.01.

Equipment List

OGP Multi-Sensor Inspection Equipment – Optics, Touch Probe / Feather Probe, TTL and DRS Laser Probes, and Micro Theta rotary indexer (for a fourth measurement axis)

(1) OGP SmartScope 200, (2) OGP Avant 300's, (1) OGP Flash 302, (2) OGP Flash 500's, and (1) OGP Avant 600 with the largest optical working area of 18"x24"x6". Utilizing MeasureMind 3D and ZONE 3 CAD based Software

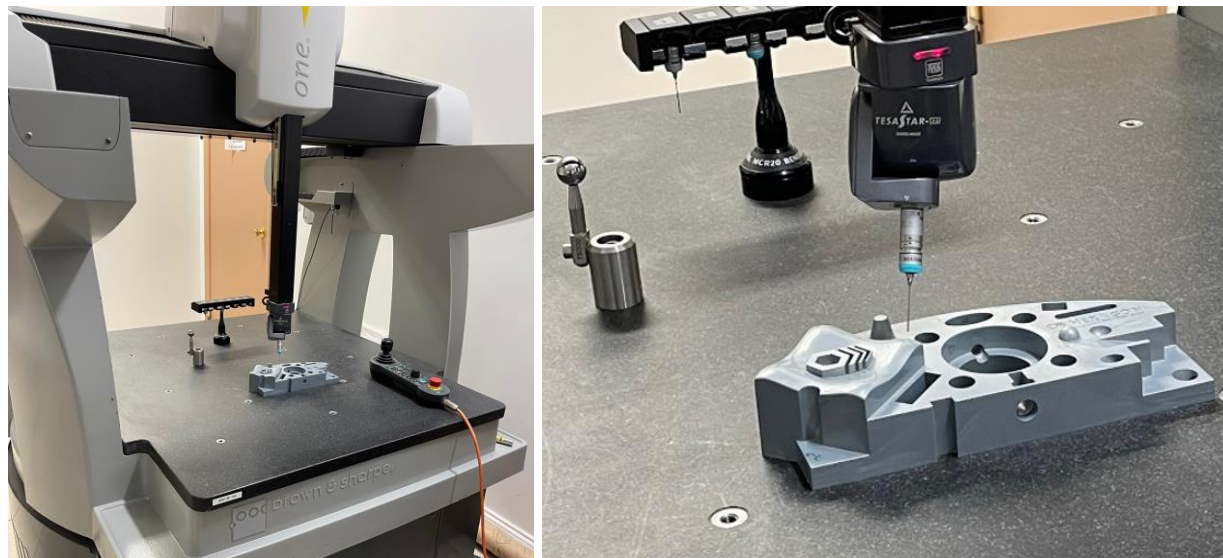
www.ogpnet.com



Credit: OGP Stock Photos (zoom optics, touch probe, micro-theta rotary)

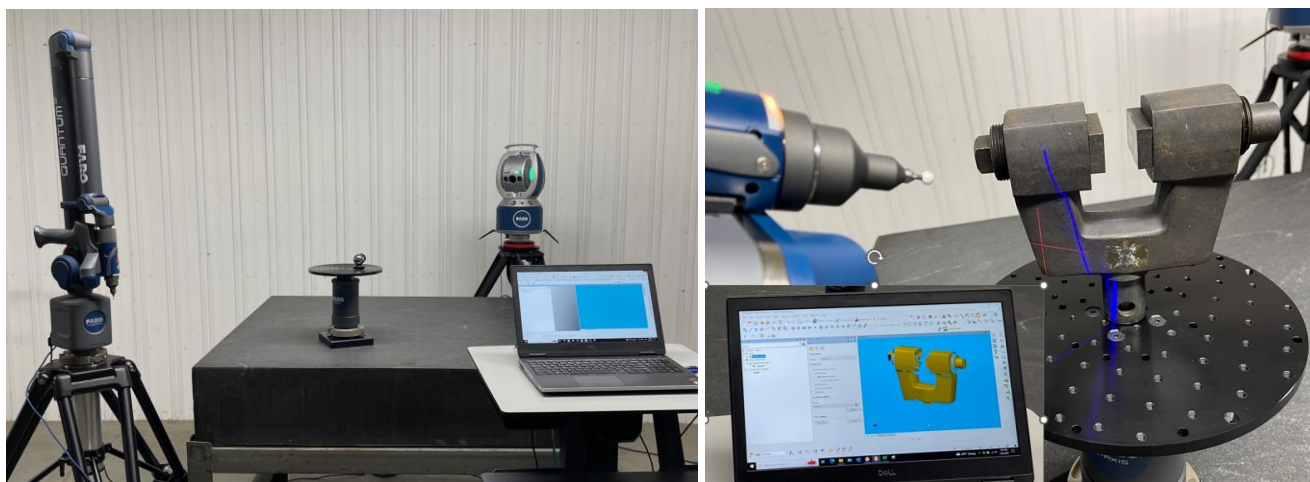
Brown & Sharpe/Hexagon One CMM with a working area of 27”x27”x19” running PCDMIS software with a TesaStar articulating head, CAD Programmable.

<https://hexagon.com/products/product-groups/measurement-inspection-hardware/coordinate-measuring-machines/shop-floor-cmms>

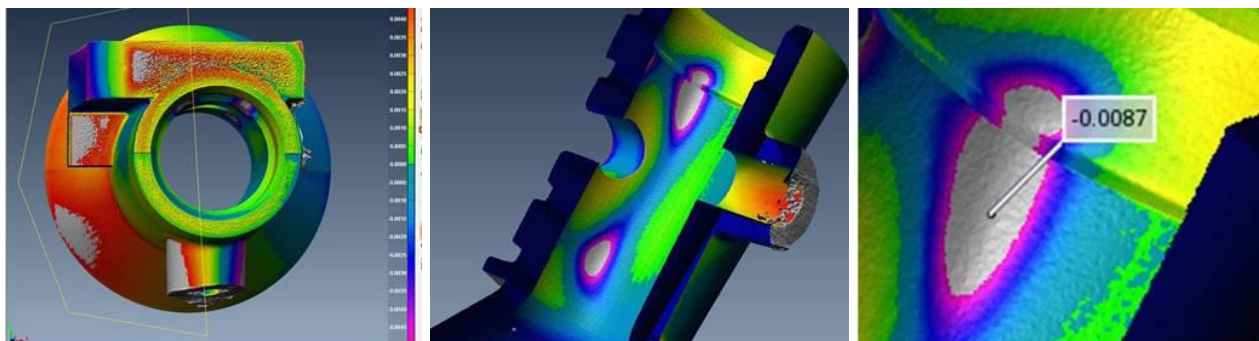


FARO Quantum^s TrackArm with Laser Line Probe when combined with the FARO Laser Tracker Vantage^E. running PolyWorks 3D Software for large scale metrology up to 82ft radial envelope.

<https://www.faro.com/en/Products/Hardware/Super-6DoF-TrackArm>



CT Scanning available for complex geometry, or overall profile analysis with error mapping options against CAD models.



3D Printing Markforged 3D printer for functional fixtures, prototyping, small lot production parts.



Contact Us

For additional information visit our website www.gdandtinc.com

To submit a question or an RFQ please contact:

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Experience our Expertise in Metrology Services