



PRECISION MEASUREMENT SERVICES

CAPABILITIES OVERVIEW

3D SCANNING & MODELING

CMM PROGRAMMING & INSPECTION

AUTOMATION & SYSTEMS INTEGRATION

EDUCATION, TRAINING & CERTIFICATION

BUILDING INFORMATION MODELING (BIM)

INDUSTRIAL FIELD MEASUREMENT SERVICES

EQUIPMENT CALIBRATION, RENTALS, REPAIRS

AS-BUILT SCANNING & REVERSE ENGINEERING



ECM Field Services - Metrology Services without Boundaries

Industrial Field Measurement Services

On-site measurement services across the globe. ECM's Field Services group uses state-of-the-art metrology equipment to provide solutions wherever the project will take us.

- *Control Networks*
- *3D Scanning & Surveying*
- *PCMM Inspection Services*
- *OJT Training*
- *Machine Calibration*
- *Boresight & Alignment*



Automation & Systems Integration

ECM specializes in the integration of high precision metrology solutions helping to provide fast, accurate and repeatable automated assembly. Consult with our integration engineers regarding your next automation project.

- *Motion Controls*
- *Robot Calibration*
- *Automated Positioners*
- *In-line Inspection*
- *Automated Alignment*
- *Real Time Analysis*



As-Built Scanning & Reverse Engineering

Our engineers specialize in As-Built Design and Building Information Modeling (BIM) for a variety of customers. Animated 3D walk-through videos illustrate as-built conditions and construction parameters.

- *Marine Surveys*
- *Aerospace*
- *Power Generation*
- *Research & Development*
- *3D Animation*
- *Architectural Design*



Building Information Modeling (BIM)

Providing model-based solutions to help plan, design, construct and manage building infrastructure. Building Information Modeling is changing how assembly lines are planned, built and managed.

- *Architecture*
- *Civil Engineering*
- *Facility Planning*
- *Historic Preservation*
- *3D Video Solutions*
- *Construction*

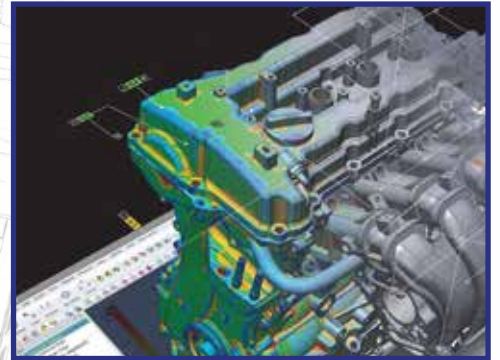


ECM Laboratory and Training Center - Excellence and Precision Every Time

3D Scanning & Modeling

Detailed scanning and modeling performed at our laboratory with attention to detail and accuracy. The ability to combine cutting edge hardware with a variety of software solutions gives ECM a distinct advantage.

- *Laser Metrology*
- *Reverse Engineering*
- *Point Cloud Generation*
- *CAD to Model Inspection*
- *Surface Analysis*
- *Mold Inspection*



Equipment Calibration, Rental & Repair Services

Performed at our ISO/IEC 17025 Accredited Laboratory or on-site at your location in accordance to ASME Standards. ECM has the capability to perform calibrations and repairs to NIST traceable standards.

- *Laser Trackers*
- *Laser Scanners*
- *Total Stations*
- *Articulating Arms*
- *Scale Bars*
- *Levels and Theodolites*



CMM Programming & Inspection Services

Using CAD models and blue prints to communicate the geometry of a part and applying GD&T (ASME and ISO standards), our services can be used on any project with an on-site or in-house presence.

- *CMMs & PCMMs*
- *ASME Y14.5*
- *PCDMIS*
- *Vision Systems*
- *First Article Inspection*
- *GD&T Reports*



Education, Training & Certification

In collaboration with the National Physics Laboratory (NPL), ECM offers training courses and industry certifications using classroom and hands on methods.

- *GD&T Training*
- *Dimensional Training*
- *PCMM Training*
- *CMS Certification*
- *Blueprint Reading*
- *Hardware & Software*



EastCoastMetrology.com

ISO/IEC 17025:2005 ACCREDITED LABORATORY



AEROSPACE



MEDICAL



SHIPBUILDING



ENERGY



ARCHITECTURE



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