

Advanced Manufacturing

# TRAINING EVENT



## CALIBRATION & USING MEASUREMENT EQUIPMENT

This 2-day workshop features gauging and measuring techniques which guide the continual improvement process within an organization. This course will help improve the competency of individuals who determine if a product meets requirements.



### Topics include:

- Introduction to Measuring
- Types of Gauges
- Measurement Process
- Surface Plates as Simulated Datum Planes – Using and Care
- Angle Blocks as Simulated Datum Plans – Using and Care
- Standards and NIST Traceability
- The Calibration Process
- Gage Blocks and Gage Pins
- Wringing Gage Blocks
- Outside and Inside Diameter Measurements
- Surface Texture
- Micrometers – Internal, External & Depth
- Verniers and Dial Calipers
- Drop Indicators & Test Indicators
- Ring Gauges
- Go/No-Go Plug Gauges
- Thread Gauges Go-No
- Handling and Storage of Measuring Devices
- Visual Inspection – Workmanship Standards

**Instructor:** Richard A. Litts  
President, Litts Quality Technologies

He is a RABQSA International Quality Management Systems Registered Lead Auditor and AS9100 Aerospace Experienced Auditor.

April 24-25, 2018

Erie, PA

WQLN Learning Center  
8425 Peach Street

**Cost: \$800**

*Lunch is included.*

*All students should bring one 0-1 inch micrometer (non digital preferred), one Vernier (non digital preferred) and Dial Caliper.*

**To register or for additional information:**

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