

## MeasurED TRAINING CURRICULUM

### + **Course 101:** Dimensional Measurement with Precision Measuring Equipment

Introductory-level learning experience provides a comprehensive overview of dimensional measurement and provides hands-on experience with precision measurement equipment.

#### + **FORMAT**

- Two-day classroom course-\$1200/person

#### + **PREREQUISITES**

- None. Class is designed for individuals new to the manufacturing environment who need to use and care for basic precision measuring equipment, or for those seeking to expand their skills.

#### + **LEARNING OUTCOMES**

- Introductory understanding of industrial measurement.
- Extensive hands-on practice of instrument operation by measuring actual parts. Equipment covered includes gage blocks, steel rules, calipers, micrometers, depth micrometers, dial indicators and height gages.
- Demonstrated understanding of equipment principles, measuring techniques and best practices for the use of dimensional measuring equipment.
- Experience using a host of measuring instruments (including metric) that address the specific needs of the individual student.



### **Course 101:** Dimensional Measurement with Precision Measuring Equipment



### **Course 110:** Introduction to Dimensional Gage Calibration of Hand tools



### **Course 120:** Dimensional Gage Calibration of Bore Gages and Height Gages



### **Course 130:** Dimensional Gage Calibration of torque Gages



### **Course 210:** Measurement with CMMs, Vision, and Form Instruments

***Dimensional metrology:** the science and practice of dimensional measurement—is one of the fundamental educational series offered through Master Gage & Tool Co.'s MeasurED training program. The full curriculum consists of a series of independent classroom courses that cover all aspects of dimensional measurement and inspection.*

#### + **Customized.**

Students can choose which courses are most relevant and create their own unique educational experience; class work focuses on students' individual needs.

#### + **Comprehensive.**

Modern dimensional metrology curriculum covers dimensional measuring equipment and strategies for implementation, including selection, application, calibration, and care of dimensional measuring systems.

#### + **Engaging.**

Principles and practice are taught using a hands-on experiential learning approach that engages the students and promotes retention of concepts.

Many students may wish to take all four courses in sequence; we try to provide a schedule that makes that possible.



**Danville, VA Office**  
112 Maplewood St.  
Danville, VA 24540  
434-836-GAGE (4243)

**Greenville, SC Office**  
30-A Cessna Ct.  
Greenville, SC 29607  
864-447-510