



093 – Basic Manufacturing Skills – Metrology

Onsite – 1 Day, 6 Hour session – Optimum class size, 12 students

Training Description:

The Basic Manufacturing Skills Module #3, Metrology, provides the foundational skills for more advanced technical skills training. This basic course in metrology is designed to familiarize manufacturing employees with the tools used for measuring parts, hands on use of metrology tools and actual measurements of product parts.

Training Objective:

The objective of each module is to upgrade the skills of the students to help them become more productive in today's ever changing factory. The Metrology module is designed to attain a basic level of competency in the use of precision measurement tools that will allow employees to monitor and validate the production outputs related to the precision parts making process. Introduction to the concepts which students must master to successfully interpret metrology requirements.

Skill Attainment:

Metrology: Students gain a solid foundation of knowledge and skill in performing measurements and calculations. The student learns to use precision measurement tools, such as steel rule, micrometer, and calipers. Students gain proficiency selecting the proper tools for inspecting parts.

These skills are transferable within the company, industry and are highly desirable by any manufacturer.



METROLOGY & QUALITY INSPECTION

Method: Instructor & Interactive Computer Interface

Estimated instruction time: – 6 hours

Training Topic Areas Include:

- Scaled Measurement Tools
- Vernier, Dial Calipers
- Micrometers
- Height Gages & Dial Indicators
- Fixed Gages
- Outside Calipers
- Inside Calipers
- Nominal Dimensions & Tolerance
- Parts Inspection

Hands-on with client's blueprints and parts.