



Basic Manufacturing Skills – Blueprint Reading (Onsite – 1 Day, 6 Hours – Optimum class size, 12 students)

Training Description:

Basic Manufacturing Skills – Blueprint Reading lays the foundation for more advanced technical training as participants learn how to read and interpret engineering mechanical product drawings. This training provides a comprehensive look of blueprints as participants learn about dimensioning, sections, views, as well as different line and drawing types. During this training, participants will learn how to navigate blueprints, allowing them to efficiently locate all information required to produce a product. The orthographic or 3rd Angle System is also covered in detail in this training. Basic Manufacturing Skills – Blueprint Reading is delivered onsite and is intended for all personnel who need to read and interpret engineering drawings. Prior to this training, participants should have an understanding of basic math or should have taken the Shop Math Training class.

Training Objective:

The objective of this training is to upgrade the skills of the participants to help them become more productive in today's ever-changing factory. Participants will learn the basic elements of a blueprint and will develop the skills needed to navigate, read, and interpret a variety of mechanical engineering drawings.

Skill Attainment:

Participants will be able to:

- Interpret technical drawings (blueprints)
- Understand the critical role the technical drawing plays with respect to work process, quality control, and a product's critical features
- Navigate blueprints with different lines, dimensioning, sections, views, and types of drawings

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

Training Agenda

- Introductions
- Key Elements of a Drawing
- Dimensions of Size
- Tolerances
- Features and Configurations