

# Critical Core Manufacturing Skills

## Core Problem Solving Skills



In today's manufacturing environment, individuals at all levels are called upon to solve problems and make decisions that affect quality, customer service, and other key business outcomes. The *Core Problem Solving Skills* modules provide both a framework and process for dealing effectively with tough choices and situations.

### **Module 4: Think Critically**

Participants learn to differentiate assumptions from reality, maintain an open mind approaching concepts and problems from different perspectives, and use systematic, logical thinking to analyze processes.

### **Module 5: Apply Problem Solving Strategies**

Participants learn to complete tasks with incomplete information and/or unavailable resources, analyze processes by breaking them down into manageable tasks or steps, and identify root causes of problems. Participants use quality tools to arrive at possible solutions to problems and apply reasoned criteria to select the best potential solutions.

### **Module 6: Apply Mathematical Reasoning**

Participants learn to apply math skills to industry problems and use measurement-related math skills to interpret blueprints or dimensional drawings.

### **Target Audience**

The *Core Problem Solving Skills* modules are designed for all members of the production team.

### **Typical Time Investment**

*Think Critically* and *Apply Problem Solving Strategies* are 4 hours each; *Apply Mathematical Reasoning* is customized according to the needs of the participants.

### **Delivery Format**

The training design is interactive with practical skill applications, individual and small group exercises, and real-life examples.

The *Critical Core Manufacturing Skills* training program gives your employees the tools they need to meet the changing demands of the modern manufacturing environment and deliver consistently high performance.

Combining powerful new training content with real-world application, each module focuses on a specific skill in one of four key areas—productivity, problem solving, teamwork, and adaptability. Modules can be offered as single sessions or grouped into a customized training package geared to your business objectives, timeline, and budget.

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