

Online Courses for the Fastener Industry

THORS Academy courses reflect industry processes from start to finish. Every step of the way, **Think THORS™** for solutions that accelerate learning and improve effectiveness.

RAW MATERIALS



Steel Basics
Steel Fundamentals

BARSTOCK

Steel Basics
Steel Fundamentals



MANUFACTURING FUNDAMENTALS

Engineering Drawing Fundamentals
Engineering Drawings for Forgings
Engineering Drawings for Machining
GD&T Fundamentals
Measurements: Basic Concepts
Measurements: Measurement Math
Measurements: Measuring Processes
Measurements: Measuring Tools
Non-Destructive Testing
Process Failure Modes and Effects Analysis
Process Flow Diagrams
7QC Tools
Affinity Diagrams
Destructive Metallurgical Testing
Value Analysis Value Engineering
8D Problem-Solving Basics
5S Workplace Organization Method
Safety: Personal Protective Equipment (PPE) Selection



MANUFACTURING PROCESSES

Forging Basics
Forgings: Closed Die Processes
Forgings: Closed Die Terminology and Equipment
Cold Forming Fundamentals
Metal Forming Process Selection
Plating Fundamentals
Stamping Processes
Stamping Terminology



MACHINING

Engineering Drawings for Machining
Fixturing Fundamentals for Machining
Hole Process Fundamentals
Machine Tool Fundamentals
Surface Process Fundamentals
Turning Tool and Process Basics
Turning Center Series 1 Lightning Learning
Turning Center Series 2 Lightning Learning
Horizontal Machining Center Series 1 Lightning Learning
Horizontal Machining Center Series 2 Lightning Learning
Vertical Machining Center Series 1 Lightning Learning
Vertical Machining Center Series 2 Lightning Learning



HEAT TREATMENT

Heat Treating Basics
Heat Treating Processes and Equipment
Heat Treating Testing and Defects
Heat Treating Safety



FASTENERS

Bolted Joint Basics
Threaded Fastener Specifications
Threaded Fastener Terminology and Components
Threaded Fastener Testing and Defects



SYSTEMS

Autonomous, Connected, Electric, and Shared (ACES) Vehicle Fundamentals
Braking Systems: Hydraulic and Pneumatic
Differential Basics
Drive Axles: Heavy Duty Commercial Vehicles
Electric Vehicle Battery Basics
Engine Fundamentals
Transfer Case Principles
Transmission Fundamentals: Automatic

