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





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 (PFMEA)

Process Flow Diagrams

7QC Tools

Affinity Diagrams

Destructive Metallurgical Testing

Value Analysis Value Engineering

8D Problem-Solving Basics

5S Workplace Organization Method

Control Plan

Production Part Approval Process (PPAP)



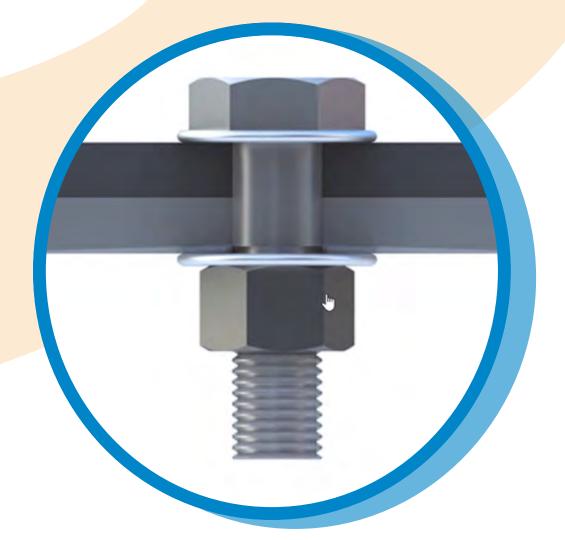
SAFETY

Personal Protective Equipment (PPE) Selection
Lockout Tagout (LOTO)



The THORS Academy Course Library is constantly growing with 2-3 new titles being added each month. Please use the QR code to view our most current list with links for details about each course.

To access the online THORS Course Library: Scan this QR Code
To search for any word: Use CTRL + F (or Command + F on the Mac)
To view more information about a course: Click on the Course Name





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

