

Online Courses for the Gear 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



Aluminum Fundamentals
Ductile Iron Fundamentals
Gray Iron Fundamentals
Polymer Fundamentals

MANUFACTURING PROCESSES

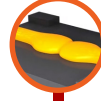


CASTING

Bonded Sand Fundamentals
Bonded Sand Iron Casting Basics
Engineering Drawings for Castings
Quality Inspection for Steel Castings



Steel Basics
Steel Fundamentals



FORGING

Engineering Drawings for Forgings
Forging Basics
Forgings: Closed Die Processes
Forgings: Closed Die Terminology and Equipment



BARSTOCK

Steel Basics
Steel Fundamentals



GEAR CUTTING

Bevel and Hypoid Gear Terminology
Engineering Drawings for Spur and Helical Gears
Gear Chart Interpretation-Elemental
Measurements on Cylindrical Gears
Gear Fundamentals
Spur and Helical Gear Terminology
Gear Hobbing Series 1 Lightning Learning
Gear Hobbing Series 2 Lightning Learning*



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



GEAR FINISHING

Cylindrical Grinding Fundamentals
Cylindrical Grinding Process Strategy
Cylindrical Gear Manufacturing Troubleshooting
Gear Chart Interpretation-Elemental Measurements on Cylindrical Gears
Honing Series 1 Lightning Learning*
Honing Series 2 Lightning Learning*
Rotary Surface Grinding Series 1 Lightning Learning
Rotary Surface Grinding Series 2 Lightning Learning



ASSEMBLY AND TESTING

Bearing Fundamentals
Bolted Joint Basics
Gear Fundamentals
Gearbox Basics
Oil Seals Fundamentals: Rotary Applications
Threaded Fastener Specifications
Threaded Fastener Terminology and Components
Threaded Fastener Testing and Defects
Welding Fundamentals



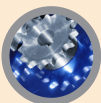
QUALITY ASSURANCE

Affinity Diagrams
Destructive Metallurgical Testing
Engineering Drawing Fundamentals
Engineering Drawings for Spur and Helical Gears
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
Value Analysis Value Engineering
7QC Tools: Check Sheets
7QC Tools: Control Charts
7QC Tools: Fishbone Diagrams
7QC Tools: Histograms
7QC Tools: Pareto Charts
7QC Tools: Scatter Diagrams
7QC Tools: Stratification
8D Problem-Solving Basics
5S Workplace Organization Method



GEAR DESIGN

Bearing Fundamentals
Bevel and Hypoid Gear Terminology
Bolted Joint Basics
Gear Fundamentals
Gearbox Basics
Oil Seals Fundamentals: Rotary Applications
Spur and Helical Gear Design Fundamentals
Spur and Helical Gear Terminology
Threaded Fastener Specifications
Threaded Fastener Terminology and Components



GEAR SALES

Bevel and Hypoid Gear Terminology
Gear Fundamentals
Gearbox Basics
Spur and Helical Gear Terminology
Understand Customer Personality Styles to Help You Sell More Effectively

*Coming Soon

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