



## ASSEMBLY

### ASSEMBLER PAINTER

Math Fundamentals  
Math: Fractions and Decimals  
Units of Measurement  
Basics of Tolerance  
Blueprint Reading  
Basic Measurement  
Calibration Fundamentals  
Hole Standards and Inspection

Thread Standards and Inspection  
Intro to OSHA  
Personal Protective Equipment  
Noise Reduction/Hearing Conservation  
Lockout/Tagout Procedures  
SDS and Hazard Communication  
Bloodborne Pathogens  
Walking and Working Surfaces

Fire Safety and Prevention  
Hand and Power Tool Safety  
Safety for Lifting Devices  
Powered Industrial Truck Safety  
Introduction to Mechanical Properties  
Ferrous Metals  
Lead Manufacturing Overview  
ISO 9001:2015 Review

5S Overview  
Intro to Machine Rigging  
Rigging Equipment  
Types of Adhesives  
Intro to Coating Composition  
Surface Preparation for Coatings  
Processes for Applying Coatings  
Coating Defects

Intro to Assembly  
Safety for Assembly  
Intro to Fastener Threads  
Overview of Threaded Fasteners  
Tools for Threaded Fasteners  
Overview of Non-Threaded Fasteners

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### MECHANIC

Geometry: Lines and Angles  
Geometry: Triangles  
Geometry: Circles and Polygons  
Trigonometry: Sine, Cosine, Tangent  
Introduction to GD&T  
Major Rules of GD&T

Troubleshooting  
Metrics for Lean  
Electrical Units  
Safety for Electrical Work  
Introduction to Circuits  
DC Circuit Components

Introduction to Mechanical Systems  
Safety for Mechanical Work  
Safety for Hydraulics and Pneumatics  
Intro to Hydraulic Components  
Intro to Pneumatic Components  
Intro to Fluid Conductors

Fittings for Fluid Systems  
Lubricant Fundamentals  
Lifting and Moving Equipment  
Rigging Inspection and Safety  
Overview of Soldering  
Basics of the Bonding Process

Steps for Adhesive Application  
Properties for Fasteners

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