

COMPOSITES

PROCESSING FUNDAMENTALS

Math Fundamentals

Math: Fractions and Decimals

Units of Measurement

Basics of Tolerance

Blueprint Reading

Geometry: Lines and Angles

Geometry: Triangles

Geometry: Circles and Polygons

Trigonometry: Sine, Cosine, Tangent

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

Lean Manufacturing Overview

ISO 9001:2015 Review

5S Overview

Cutting Processes

Band Saw Operation

Introduction to Composites

Safety for Composite Processing

Overview of Composite Processes

Traditional Composites

Adv. Thermoset Resins for Composites

Advanced Materials for Composites

Intro to Lay-up and Spray-up Molding

Intro to Compression Molding

Surface Finishing Composites

Vacuum Bagging Technique Single-sided

Composite Inspection and Defect Prevention

Repair Methods for Composites