

ADDITIVE MANUFACTURING FUNDAMENTALS

Introduction to Additive Manufacturing
Additive Manufacturing Safety
The Basic Additive Manufacturing Process
Design for Additive Manufacturing
Additive Manufacturing Methods and Materials
Integrating Additive Manufacturing with Traditional Manufacturing
Additive Manufacturing as a Secondary Process
Hardness Testing
Approaches to Maintenance
Total Productive Maintenance
Inspecting with CMMs
Introduction to Physical Properties

Introduction to Mechanical Properties
Introduction to Metals
Classification of Steel
Essentials of Heat Treatment of Steel
Ferrous Metals
Nonferrous Metals
Exotic Alloys
The Basics of Tolerance
Blueprint Reading
Basic Measurement
Calibration Fundamentals
Hole Standards and Inspection
Thread Standards and Inspection

ONLINE MANUFACTURING TRAINING

Surface Texture and Inspection
Introduction to GD&T
Math Fundamentals 1
Applied and Engineering Sciences
Math: Fractions and Decimals
Units of Measurement
Manufacturing Process Applications: Part I
Manufacturing Process Applications: Part II
Lean Manufacturing Overview
Continuous Improvement: Managing Flow
Continuous Improvement: Identifying and Eliminating Waste