

UNMATCHED MANUFACTURING PROCESSES TRAINING

Amatrol’s Manufacturing Processes eLearning catalog currently features modules that cover valuable manufacturing processes skills conveniently organized into the courses below. Altogether, Amatrol’s Manufacturing Processes eLearning library offers comprehensive training and learning you can’t find anywhere else.

Learning Systems	Hardware	eLearning	Topics Include:
FASTENERS			
Fasteners Learning System (950-FNS1)		✓	Bolt Types & Grades, Fasteners & Locking Devices
GASKETS			
Gaskets Learning System (950-GSS1)		✓	Gasket Types, Handling & Storage, Type 1 & 2 T-Joints
CAD & CAM			
Computer-Aided Design 1 Learning System – SolidWorks (96-CAD1B)		✓	Solid Model Creation, Extruded Features, Solid Model Fillets and Chamfers, Production Drawings
Computer-Aided Design 2 Learning System – SolidWorks (96-CAD2B)		✓	3D Assemblies, Standard Mates & Component Manipulation, Smartmates, Exploded Assemblies
Computer-Aided Manufacturing 1 Learning System (96-CAM1)		✓	CAM-Mill, Contour CAM Toolpath, CAM Parameters, Drill & Pocket Toolpath
PRINT READING			
Print Reading 1 Learning System (950-PR1)		✓	Sketching & Multiview Drawings, Print Dimensioning, Assembly Drawings & Fasteners
CONTAMINATION			
Contamination Learning System (950-CNS1)		✓	Contamination Control Concepts, Identification, Handling, Prevention
WIRING			
Wiring Harness Learning System (950-WHS1)	✓	✓	Wiring Harness Installation, Handling & Storage, Routing
PRODUCTION ASSEMBLY			
Production Assembly Learning System (950-PAS1)	✓	✓	Torque Basics, O-Ring & Lip Seals, Hydraulic Fittings, Hose & Coupling Assembly, Hose & Tubing Installation
PRODUCTION ASSEMBLY ADD-ONS			
Split Flange Coupling Learning System (95-PAS2)	✓	✓	Split Flange Coupling Operation, Construction and Installation, Install Problems
Electric Torque Wrench Learning System (95-PAS3)	✓	✓	Electric Direct Drive Torque Wrench Operation, How to Use For Assembly
Stall Bar Learning System (95-PAS4)	✓	✓	Function and Inspection of Stall Bar Tooling, Safety Procedures, Use for Assembly
Instrumented DC-Electric Torque Wrench Learning System (95-PAS5)	✓	✓	Operation and Inspection of DC Electric Controlled Tools, Use of Assembly
WELDING			
Welding Technology Learning System (950-WT1)	✓	✓	Welding Preparation, Basic Welding, Welded Joints, Welding Analysis

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MANUFACTURING PROCESSES

FUNDAMENTALS — ASSEMBLY — MAINTENANCE

PROVEN MANUFACTURING PROCESSES TRAINING BUILDS INDUSTRY-APPLICABLE SKILLS



Welding Technology Learning System
(950-WT1)

Cover Welding Operation, Safety, and Analysis

- Teach Welding Preparation, Including Safety, Angle Grinder Preparation, and Workpiece Preparations
- Provide Basic Hands-On Welding Skills, Such As Welder Set-Up, Adjustments, Track Welds and Butt Joint Welds

Develop Both Basic and Advanced Production Assembly Concepts

- Study Foundational Assembly Components Like Gaskets, Fasteners, Seals and Fittings
- Use Torque Tools to Assemble Threaded Fasteners
- Install Hosing, Tubing, Wiring Harness and Battery Cables

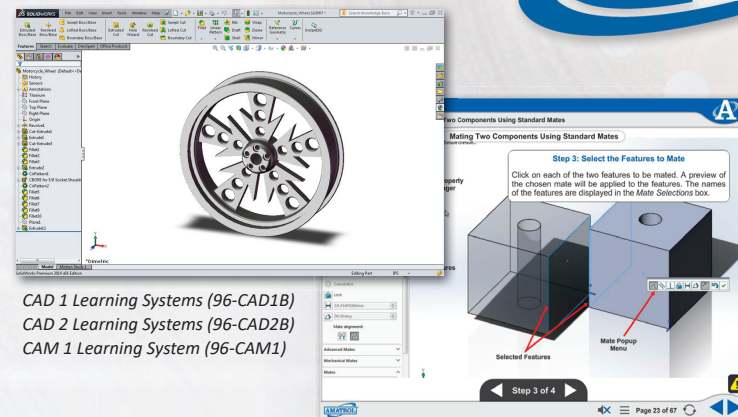


Double-Sided Production Assembly Learning System with Add-ons (950-PAS1)



Offer Interactive CAD and CAM Training and Skill-Building

- Offers Courses on 3D Assembly, Smartmates and Mate Editing, and Assembly Motion
- Teach Solid Modeling, Extruded Features, Production Drawings, Cam-Mill and Cam Parameters.



CAD 1 Learning Systems (96-CAD1B)
CAD 2 Learning Systems (96-CAD2B)
CAM 1 Learning System (96-CAM1)

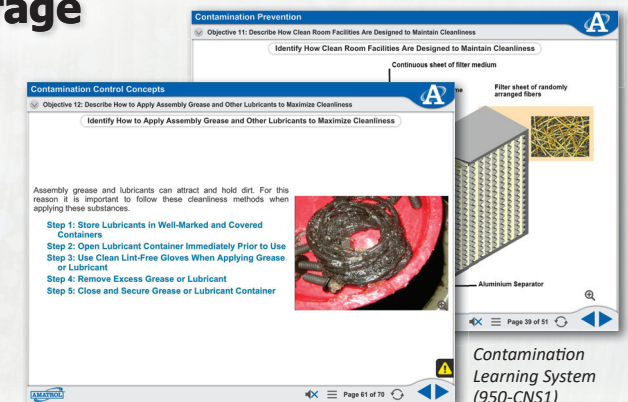
Teach Print Reading and Dimensioning

- Introduce Learners to Print Reading, Including Sketching, Multiview Drawing and Line Types
- Features Print Dimensioning, Including: Print View Selection, Dimensioning Rules and First-Angle Projection
- Teach Skills Including Geometric Dimensioning & Tolerancing

Print Reading 1 Learning System
(950-PR1)

Provide Fundamental Knowledge of Component & Fluid Handling and Storage

- Contamination Control Concepts and Contamination Measurements
- Advance on to Component Handling and Contamination Identification, Before Finishing with Facilities and Workstation Cleanliness



Contamination Learning System
(950-CNS1)

Direct Understanding of Wiring Harness Parts, Functions, Connectors and Routing

- Introduce Function and Basic Parts of Wiring Harness, Including How to Handle and Store Harnesses, Types of Harness Connectors and How to Safely Connect
- Educate Learners on Guidelines for Routing Wiring Harnesses, Support Clips and Tie-Strap Tools



Wiring Harness Learning System
(950-WHS1)