World-Class Skills Training

Amatrol offers a comprehensive, in-depth selection of portable training systems and locally-installed multimedia curriculum. These training resources start with the basics of industry and manufacturing and builds up to more advanced topics and skills. The portable systems have a remarkably small footprint and can be locked and stowed away when not in use.

ELECTRICAL	
AC/DC Electrical (990-ACDC1)	AC/DC Voltage and Current Principles; Resistance, Inductance, and Capacitance; Circuit Protection, Breakers and Testers
Relay Control (990-EC1) and Relay Control Troubleshooting (990-EC1F)	Control Logic and Logic Elements, Control Circuit Design, Relay Operation and Applications, Time-Delay Relay Applications, Machine Modes of Operation
Motor Control (990-MC1) and Motor Control Troubleshooting (990-MC1F)	Control Ladder Logic and Relays; Troubleshooting, Reversing Motor Control and Automatic Input Devices; Interpreting Schematics and System Design
AC Motor Drives (990-DRV1) and AC Motor Drives Troubleshooting (990-DRV1F)	Introduction to AC Drives, 2 and 3 Wire Motor Control, DC Injection Braking and AC Drive Versus Line Starting, S-Curve Acceleration
ELECTRONICS	
Electronic Sensors (990-SN1)	Electronic Sensor Advantages and Components; Inductive, Capacitive, Magnetic Reed Sensors; Sensor Measurement and Applications
Power and Control Electronics (990-ELE1)	Power Supply Filtration and Regulation, Discrete and Thermal Sensing Devices, Analog Sensing and Solid State Switching, Solid State Speed and Power Control
PLC - Allen-Bradley: (990-PAB53A), (990-PAB53AF), and (990-PABCL1F)	Panelview Plus Terminal Operation and Application Editing; PLC Program Operations and Programming; Program Control, Math and Data Instructions; Analog Inputs and Outputs
PLC - Siemens: (990-PS712) and (990-PS712F)	PLC Operation and Programming and HMI Panel Operation, Event Sequencing and HMI Application Editing, Reversing Constant-Speed Motor Control, Variable Speed Motor Control and Stepper Motor Control
FLUID POWER	
Basic Hydraulics (990-BH1)	Hydraulic Power Systems and Circuits, Principles of Hydraulic - Pressure and Flow, Hydraulic Speed Control and Pressure Control Circuits, Pressure Reducing Valves and Troubleshooting
Pneumatics (990-PN1)	Pneumatic Power Systems and Circuits, Pressure and Flow and Directional Control Valves, Air Logic and Pneumatic Maintenance, Flow Control and Cam Valve Application
Pneumatics Troubleshooting (990-PTB1)	Pneumatic Troubleshooting Concepts, Air Preparation and Regulator Troubleshooting, Troubleshooting Vacuum and Pneumatic Systems, Machine Sequence Faults
MECHANICAL	
Mechanical Drives (990-ME1M)	Shaft Speed, Torque and Power Measurement; Power Transmission Systems and Shaft Alignment; Introduction to V-Belt Drives and Chain Drives; Spur Gear Drives, Installation and Analysis
PROCESS CONTROL	
Process Control – Level & Flow (990-PC1) and Process Control Troubleshooting – Level & Flow (990-PC1F)	Process Control Concepts, Instrument Tags, Piping and Instrumentation Diagrams, Loop Controllers, Final Control Elements, Level Measurement, Liquid Level Control, Methods of Automatic Control, Basic Flow Measurement and Control, Control Loop Performance
QUALITY ASSURANCE	
Measurement Tools (990-MES1)	Tape Measurement, Measurement Conversion, Dial and Digital Caliper Application, Dimensional Gauging and Data Collection
Precision Gauging (990-PG1)	Basic Measurement and Conversion; Dial and Digital Caliper Application; Introduction to Gauging & Tolerance and Go, No-Go Gauging

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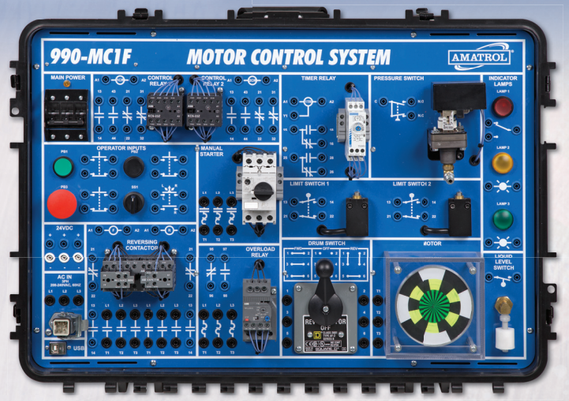
Corrections-Based Training

Provide In-Demand Skills To Close the Skills Gap

Amatrol Portable Systems: Safe, Secure, Effective Real World Training

Motor Control

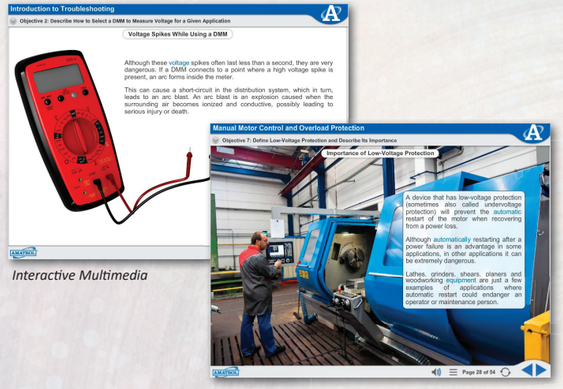


990-MC1

FAULTPRO™
COMPUTER-BASED FAULT INSERTION

Evaluate and Expand Skills

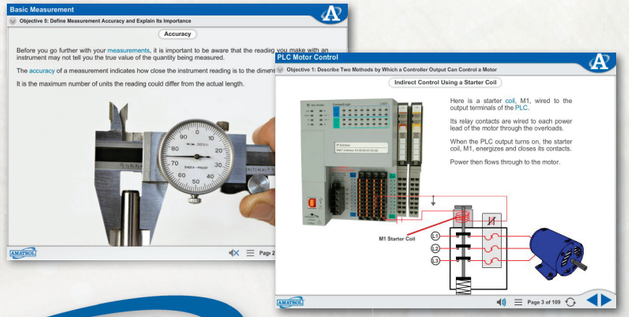
Amatrol's portables address a range of training areas, and fully measure authentic skills. Our electronic fault insertion, offered on select systems, builds invaluable troubleshooting skills.



Interactive Multimedia

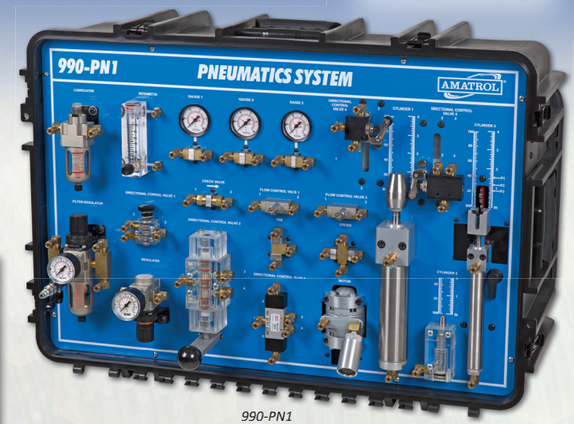
World Class Curriculum, Easy-to-Use Hardware

Amatrol's curriculum features in-depth knowledge, 3D animations, voiceovers, and interactive quizzes. This locally-installed curriculum engages learners and helps to build a deeper understand of industrial topics.

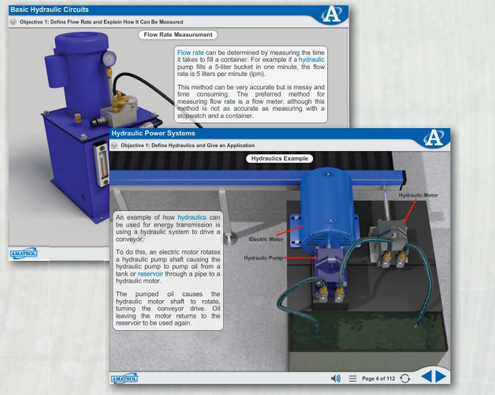


Interactive Multimedia

Pneumatics



990-PN1



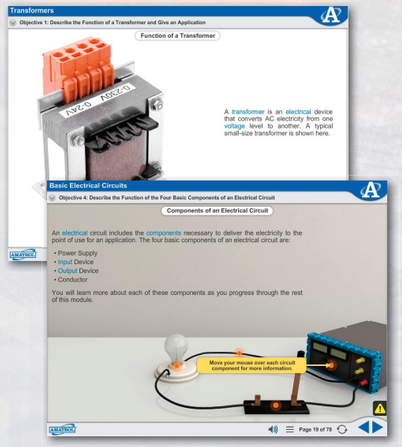
Interactive Multimedia

Utilize Full Spectrum of Learning Tools

Amatrol's portable training systems don't sacrifice learning outcomes for portability. They offer both hands-on-training, and interactive multimedia designed to complement various learning styles.

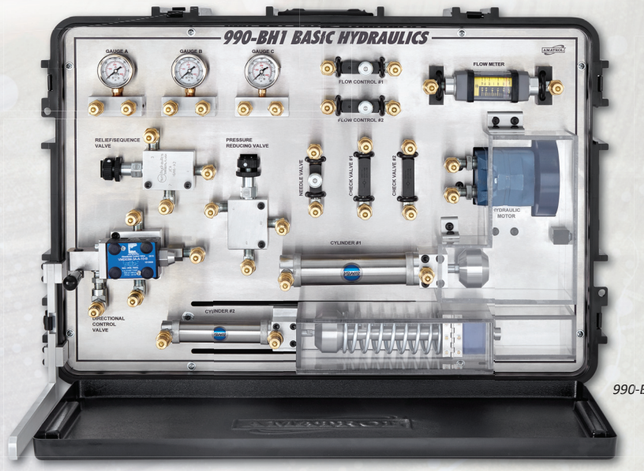
AC/DC Electrical

990-ACDC1



Interactive Multimedia

Basic Hydraulics



990-BH1

Easy to Secure and Transport

These systems have a remarkably small footprint that allows for sharing between locations. These systems can also be locked and stowed away when not in use.

Develop Career-Ready Skills Utilizing Portable Systems