

UNMATCHED DIESEL MECHANICAL TRAINING

Amatrol's eLearning catalog features courses that cover valuable technical skills. These courses start with the basics in various technologies and build to more advanced topics, such as hydraulic and pneumatic troubleshooting. These courses provide a solid foundation for any future member of the Diesel Mechanics workforce.

ELECTRICAL SYSTEMS	
Portable AC/DC Electrical Learning System 990-ACDC1	Basic Electrical Circuits, Fundamentals of Electricity, Electrical Measurements, Series & Parallel Circuits, Circuit Analysis, Inductance and Capacitance, Transformer Sizing and Types
Basic Electrical Machines Learning System 85-MT2	DC Series Motors, DC Shunt & Compound Motors, Motor Speed & Torque, Motor Performance, Split-Phase AC Motors, Capacitor-Start AC Motors, Three-Phase AC Induction Motor
EXPANSION OPTIONS	
DC Generators Learning System 85-MT2B	Series Generators, Shunt Generators, Compound Generators
Alternators/Synchronous Motors Learning System 85-MT2C	Alternator Output Frequency, Synchronization Methods
Wound Rotor Motor Learning System 85-MT2D	Wound-Rotor Motors, Speed Control, Performance
Motor Troubleshooting Learning System 85-MT2E	Troubleshooting AC & DC Motors
MECHANICAL	
Mechanical Fabrication 1 Learning System 950-MPF1	Thread Fasteners, Wrenches, Screwdrivers, Pliers & Locking Devices, Mallets & Non-Threaded Fasteners, Power Tools
Mechanical Drives 1 Learning System 970-ME1	Motor Mounting, Key Fasteners, Power Transmission Systems, V-Belt Drives, Chain Drives, Spur Gear Drives, Multiple Shaft Drives
HYDRAULICS	
Basic Hydraulics Learning System – Double Sided A-Frame Bench with Two Hydraulic Manifolds 850-HD1	Hydraulic Power Systems, Basic Hydraulic Circuits, Pressure & Flow, Hydraulic Speed Control, Pressure Control Circuits
Hydraulics Maintenance Learning System 950-HM1	Hydraulic Filter & Fluid Maintenance, Flushing Hydraulic Systems, Fittings & Seals, O-Rings, Hose & Clamping Devices
Basic Hydraulic Troubleshooting Learning System 950-HTB1	Hydraulic Actuator & Pump Troubleshooting, Cylinders, Cushions, Motor/Machine Sequence Troubleshooting
Hydraulic Troubleshooting Learning System 950-HT1	Pressure-Compensated Pumps Analysis & Performance, Hydraulic Actuators, DCVs & Pumps Troubleshooting
Portable Basic Hydraulics Learning System 990-BH1	Hydraulic Power Systems, Basic Hydraulic Circuits, Principles of Hydraulic Pressure & Flow, Hydraulic Speed Control
PNEUMATIC SYSTEMS	
Basic Pneumatics Learning System – Double Sided A-Frame Bench 850-PD1	Basic Pneumatic Concepts, Pneumatic Leverage, Air Flow Control & Measurement, Troubleshooting Pneumatic Circuits
Pneumatic Troubleshooting Learning System 950-PT1	Air Preparation Troubleshooting, Pneumatic Cylinders Troubleshooting, Motor & Rotary Actuator Troubleshooting
Portable Pneumatic Learning System 990-PN1	Pneumatic Power Systems, Basic Pneumatic Circuits, Principles of Pressure & Flow, Speed Control Circuits
Portable Pneumatic Troubleshooting Learning System 990-PTB1	Pneumatic Systems Troubleshooting, Vacuum Systems Troubleshooting, Actuators & Valves Troubleshooting

2400 Centennial Blvd.
Jeffersonville, Indiana 47130 U.S.A.
Phone: 812.288.8285 • Fax: 812.283.1584
Toll Free in USA & Canada: 800.264.8285
Email: contact@amatrol.com • www.amatrol.com



PRINTED IN U.S.A. • COPYRIGHT ©2019 • FORM 6737-A



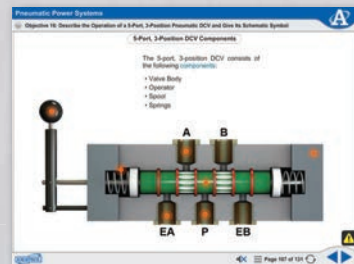
DIESEL MECHANICS

FUNDAMENTALS - MAINTENANCE - TROUBLESHOOTING

MAINTENANCE TRAINING FOR DIESEL MECHANICS

eLearning

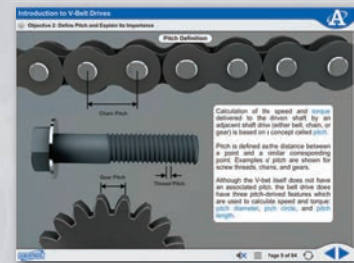
Amatrol's eLearning curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles.



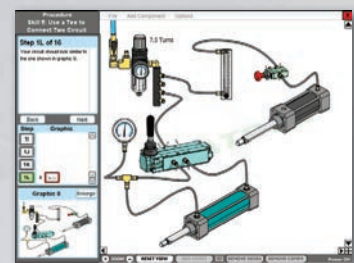
Pneumatic Power Systems



Troubleshooting DC Motors



V-Belt Chains & Drives



Virtual Pneumatics

ELECTRICAL



Portable AC/DC Electrical Learning System (990-ACDC1)

AC/DC Electrical Training:

- Operate, install, and troubleshoot AC & DC electrical systems.
- Practice on industrial-grade components.
- Completely mobile learning system.



Interactive Multimedia Curriculum

Mechanical Drives Training:

- Learn how to mount and level electric motor, and correct troubleshooting issues.
- Install and align belt drives, and correctly install fasteners.
- Install and adjust belts, chains, and gear drives, as well as ball, tapered rollers, and other types of bearings.

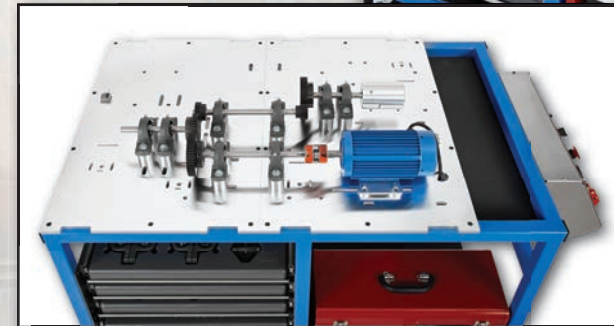


Interactive Multimedia Curriculum

MECHANICAL



Mechanical Drives 1 Learning System (970-ME1)



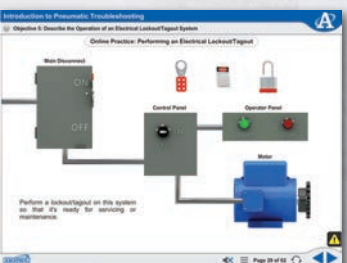
PNEUMATICS

Pneumatic Troubleshooting Training:

- Troubleshoot over 30 pneumatic faults using FaultPro.
- Operate and adjust a shock absorber.
- Multiple programs provide new troubleshooting challenges.



Pneumatic Troubleshooting Learning System (950-PT1)



Interactive Multimedia Curriculum

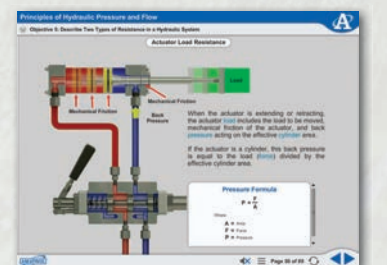
HYDRAULICS

Basic Hydraulics Training:

- Operate, install, and troubleshoot basic hydraulics for various applications.
- Practice actuating and connecting basic hydraulic circuits, and operating bi-directional hydraulic motors
- Connect and operate meter-in and meter-out flow control circuits.



Basic Hydraulics Learning System - Double Sided A-Frame Bench with Two Hydraulic Manifolds (850-HD1)



Interactive Multimedia Curriculum

Hands-on simulators

Job-ready competencies

eAssessment