

IN-DEPTH AGRITECH TRAINING

As technology continues to transform agriculture, technical training is more important than ever. The next generation of agricultural experts must possess a broad range of knowledge across a variety of areas, including electrical, mechanical, fluid power, and alternative energy. Amatrol offers a variety of technical training solutions for both industry and education across all these areas and more!

Learning Systems	Hands-On Trainer	Interactive Multimedia	eBook	Topics Include:
ELECTRICAL				
AC/DC Electrical Systems (T7017A)	✓	✓		Basic Electrical Circuits; Electrical Measurements; Circuit Analysis; Inductance & Capacitance
Electrical Fabrication (950-ELF1)	✓	✓		Electrical Wiring; Wiring System Components; Service Connection & Circuit Protection
Portable AC/DC Electrical (990-ACDC1)	✓	✓		AC/DC Voltage & Current; Power Generation; Resistance, Inductance, & Capacitance
MECHANICAL				
Mechanical Drives 1 (970-ME1)	✓	✓		Power Transmission Systems; V-Belt, Chain, & Spur Gears
Mechanical Fabrication 1 (96-MPF1)	✓	✓		Threaded Fasteners; Wrenches; Screwdrivers; Pneumatic System Fabrication
Mechanical Fabrication 2 (96-MPF2)	✓	✓		Pliers & Locking Devices; Mallets & Non-Threaded Fasteners; Torque Wrench; Portable Power Tools
Piping (950-PS1)	✓		✓	Metal Piping & Tubing System Installation; Plastic Piping Systems; Hoses; Two-Way & Check Valves
Portable Mechanical Drives 1 (990-ME1M)	✓	✓		Power Transmission Systems; V-Belt, Chain, & Spur Gears
MOTOR CONTROL				
Electric Motor Control (85-MT5)	✓	✓		Manual & Magnetic Motor Starters; Switches; Motor Sequence & Reversing Motor Control
Portable Electric Motor Control Troubleshooting (990-MC1F)	✓	✓		Manual & Magnetic Motor Starters; Switches; Reversing Motor Control; Troubleshooting
FLUID POWER				
Basic Fluid Power (850-CD2)	✓	✓		Power Systems; Circuits; Pressure & Flow; Pressure & Speed Control; DCVs; Air Logic; Maintenance
Portable Pneumatics (990-PN1)	✓	✓		Power Systems; Circuits; Pressure & Flow; Pressure & Speed Control
Portable Pneumatics Troubleshooting (990-PTB1)	✓	✓		Power Systems; Circuits; Pressure & Flow; Speed Control; DCVs; Air Logic; Maintenance
Portable Electronic Sensors (990-SN1)	✓	✓		Inductive & Capacitive Sensors; Electronic Sensor Applications
ALTERNATIVE ENERGY				
Wind & Solar Training (850-AEC)	✓	✓		PV Module Operation & Performance; Solar Batteries; AC & DC Wind Turbine Systems; Charging
Turbine Generator Control Troubleshooting (950-TGC1)	✓	✓		Power Generation; System Communication and Control Software; Wind Turbine Troubleshooting



AMATROL®

AGRITECH

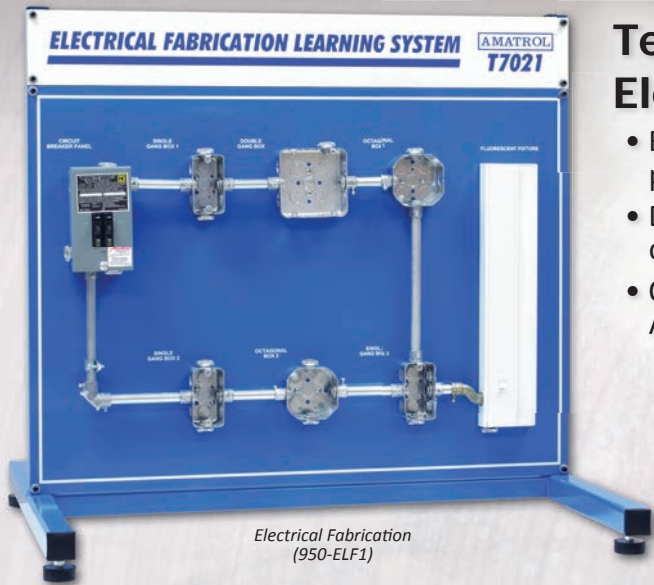
TECHNICAL TRAINING FOR AGRICULTURE

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PROVEN TRAINING BUILDS ESSENTIAL HANDS-ON AGRITECH SKILLS



Electrical Fabrication (950-ELF1)

Teach the Basics of Electrical Systems

- Basic AC/DC electrical principles
- DC series, shunt, & compound motors
- One- & three-phase AC motors



AC/DC Electrical (T7017A)

Offer Basic to Advanced Mechanical Drive Systems Training

- Belt drives
- Chain drives
- Gear trains
- Jaw, flange, chain, & grid couplings

Mechanical Drives 1 (970-ME1 shown with options)

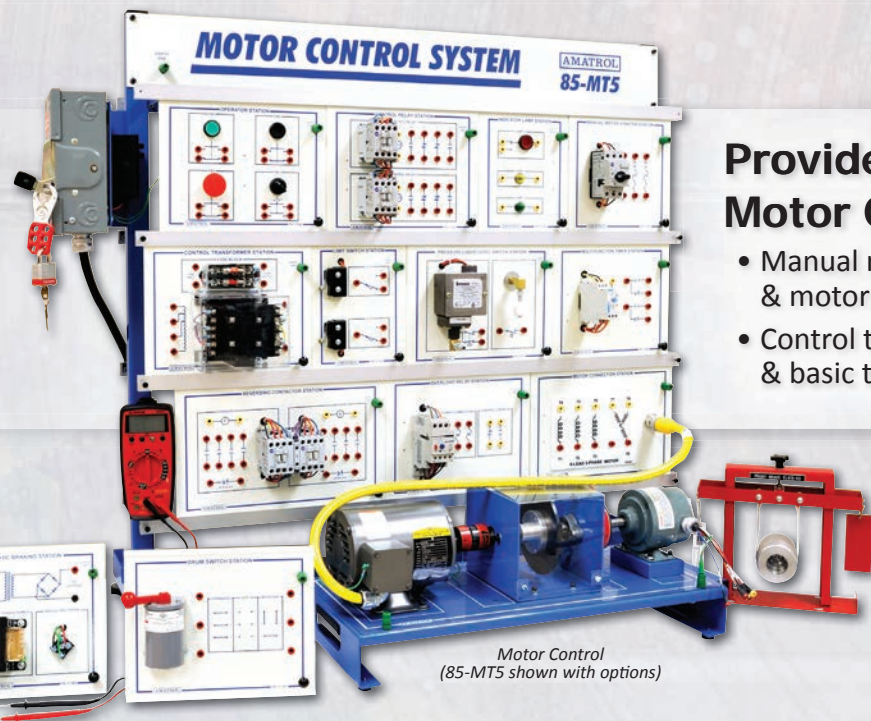


Teach Key Hydraulics & Pneumatics Skills

- Hands-on maintenance of hydraulic & pneumatic systems & components
- Expandable to teach intermediate & advanced hydraulics & pneumatics, as well as electro-fluid power



Basic Fluid Power System (850-CD2 shown with options)



Motor Control (85-MT5 shown with options)

Provide Essential Motor Control Training

- Manual motor control, overload protection, & motor starters
- Control transformers, ladder logic, relays, & basic timer control



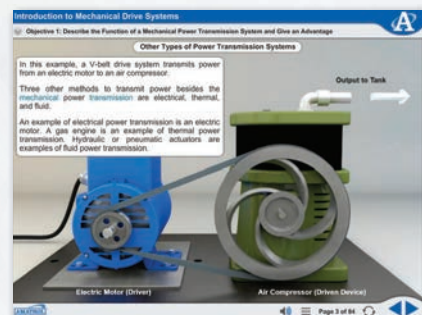
Wind & Solar Training System (850-AEC shown with options)

Deliver Effective Alternative Energy Skills Training

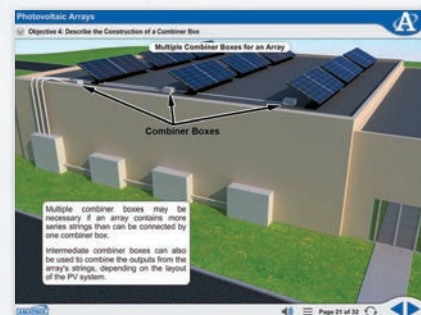
- Fundamentals of solar energy
- Training in small wind technologies

eLearning

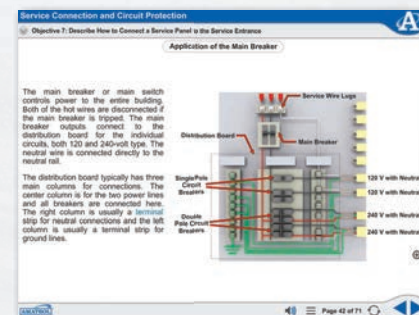
Amatrol's in-depth eLearning curriculum features an interactive multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and quizzes and exercises designed to appeal to all learning styles.



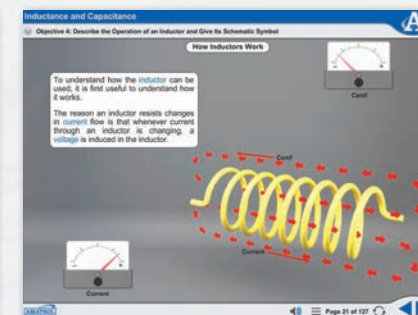
970-ME1 Multimedia



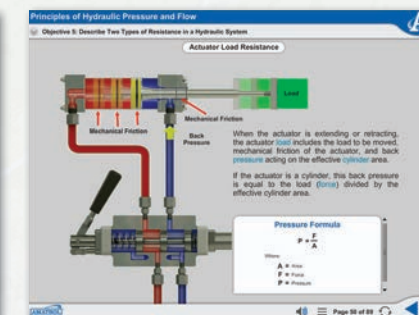
850-AEC Multimedia



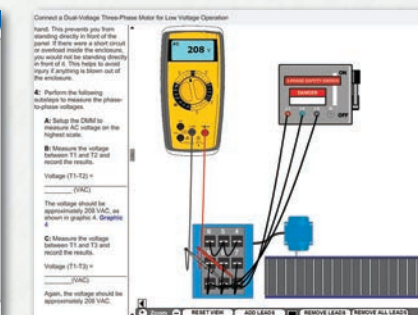
950-ELF1 Multimedia



T7017A Multimedia



85-BH Multimedia



85-MT5 Virtual Trainer

Each of These Systems Features Real-World, Heavy-Duty Components and In-Depth Curriculum