

IN-DEPTH ELECTRONICS TRAINING

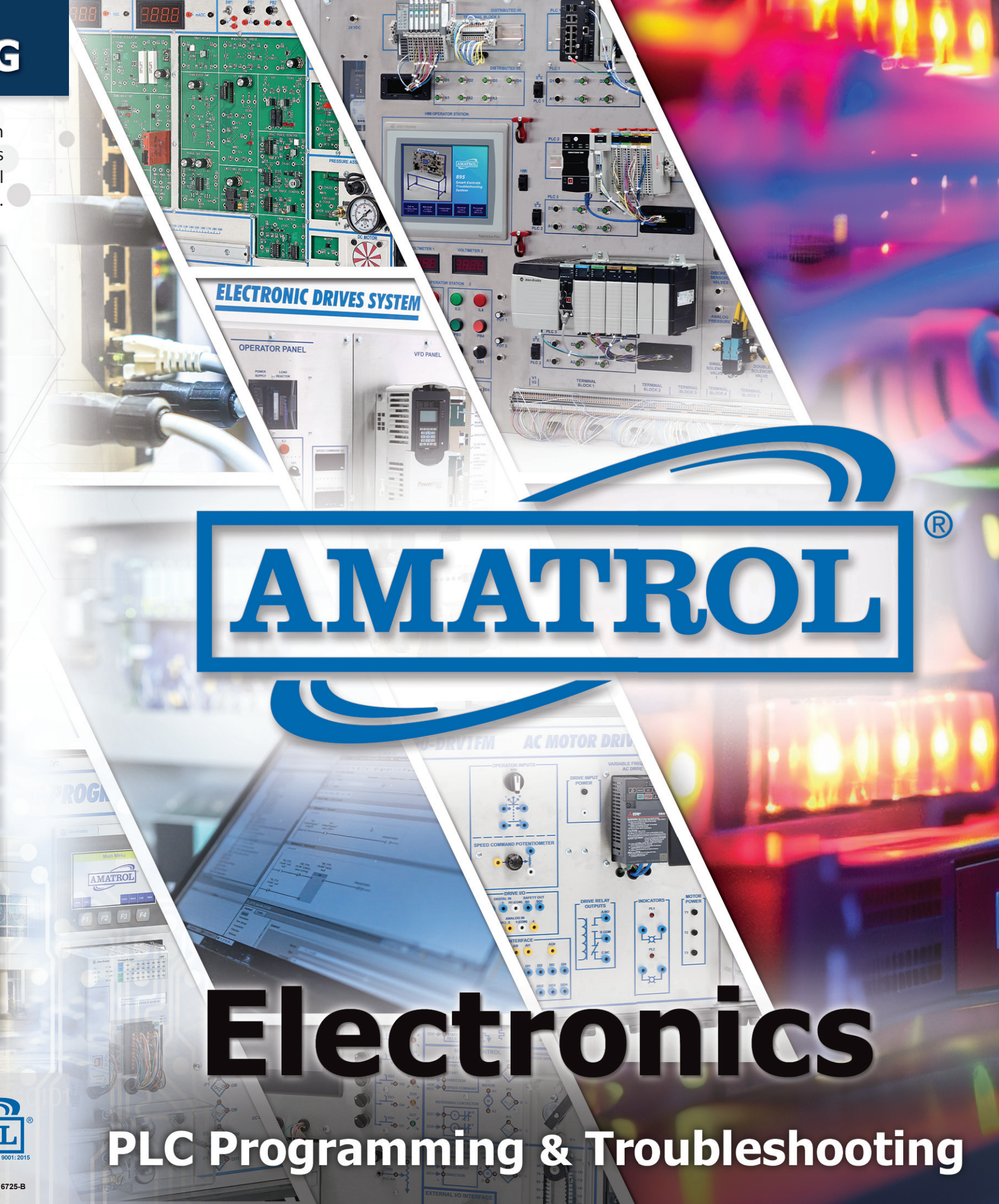
Each Electronics Learning System includes in-depth curriculum designed to teach hands-on skills with real-world equipment. Several of the systems feature Amatrol's interactive multimedia, which includes stunning 3D graphics and videos, voiceovers of all text, and quizzes and exercises designed to appeal to all learning styles. Systems with printed curriculum can also be accessed online in an optional eBook format.

Learning Systems	Hands-On Trainer	Interactive Multimedia	eBook	Topics Include:
ALLEN-BRADLEY PLCs				
Smart Controls Troubleshooting Learning System - AB CompactLogix L30 (895-C11)	✓	✓		PLC Operation, Programming, Motor Control, PLC Event Sequencing, Troubleshooting
Smart Controls Troubleshooting Learning System - AB ControlLogix (895-C12)	✓	✓		PLC Operation, Programming, Motor Control, PLC Event Sequencing, Troubleshooting
Smart Controls Troubleshooting Learning System - AB CompactLogix L16 and L30 (895-C21)	✓	✓		PLC Operation, Programming, Motor Control, PLC Event Sequencing, Troubleshooting
Smart Controls Troubleshooting Learning System - AB CompactLogix L16 and L30 with Distributed I/O, Ring/NAT Network (895-C22)	✓	✓		PLC Operation, Programming, Motor Control, PLC Event Sequencing, Troubleshooting, Ethernet/IP Operation
Smart Controls Troubleshooting Learning System - AB CompactLogix L16 and AB ControlLogix with Distributed I/O, Ring/NAT Network (895-C23)	✓	✓		PLC Operation, Programming, Motor Control, PLC Event Sequencing, Troubleshooting, Ethernet/IP Operation
Smart Controls Troubleshooting Learning System - AB ControlLogix, CompactLogix L16 and L30 (895-C31)	✓	✓		PLC Operation, Programming, Motor Control, PLC Event Sequencing, Troubleshooting, Ethernet/IP Operation
*Optional related learning systems with available multimedia curriculum include: Variable Frequency AC Drive Learning System (89-DRV1) and PLC Smart Sensor Learning System (89-SS10)				
ELECTRONIC DRIVES				
AC Electronic Drive Learning System - AB PowerFlex 755 (970-DRV1F)	✓	✓		VFD Operation, HIM Control, Drive Configuration & Communications, CCW Software Drive Communications
PORTABLE SYSTEMS				
Portable AC Variable Frequency Drives Troubleshooting Learning System - AB PowerFlex 525 (990-DRV1F)	✓	✓		AC VFD Function and Operation, Jogging, Speed, & Torque Control, Fault Diagnostics, Troubleshooting
Portable AC Variable Frequency Drives Troubleshooting Learning System - Mitsubishi 810 (990-DRV1FM)	✓	✓		Variable Frequency AC Drives, Jogging, Speed, & Torque Control, Braking, Troubleshooting
Portable Power and Control Electronics Learning System (990-ELE1)	✓	✓		Oscilloscopes, Power Supply Filtration & Regulation, Solid State Relays, Speed & Power Control
Portable PLC Troubleshooting Learning System - AB CompactLogix L16 (990-PAB53AF)	✓	✓		PLC Operation, Programming, Motor Control, Analog I/O & Application, Troubleshooting
Portable PLC Troubleshooting Learning System - AB CompactLogix (990-PABCL1F)	✓	✓		PLC Operation, Programming, I/O Testing, Processor Troubleshooting, Systems Troubleshooting
Portable PLC Troubleshooting Learning System - Mitsubishi FX5U (990-PM5UF)	✓	✓		PLC Operation, Programming, Motor Control, Analog I/O & Application, Troubleshooting
Portable PLC Troubleshooting Learning System - Siemens S71200 (990-PS712F)	✓		✓	PLC Operation, Programming, & Motor Control, PLC & I/O Analog, Troubleshooting

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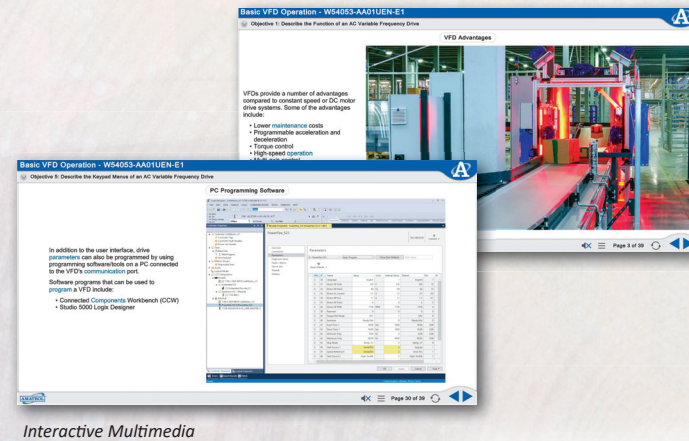
PROVEN ELECTRONICS TRAINING BUILDS ESSENTIAL HANDS-ON SKILLS



Electronic Drives System (970-DRV1)

Electronic Drives Training

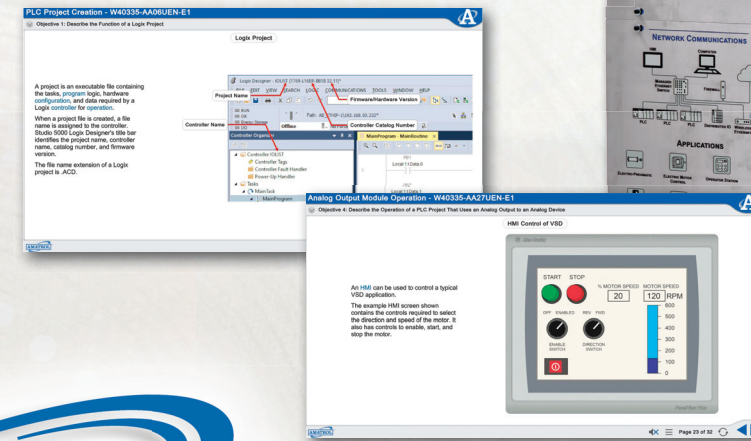
- Provides hands-on VFD training using an Allen-Bradley PowerFlex 755
- Curriculum topics include VFD architecture; HIM basics & control; discrete & analog I/O control; troubleshooting



Interactive Multimedia

Hands-On PLC Workstation

- The PLC Troubleshooting Workstation (895) teaches PLC programming, troubleshooting & applications
- FaultPro teaches how to troubleshoot real-world PLC problems



Interactive Multimedia



895-C31 Configuration



FaultPro
Computer-Based
Fault Insertion System

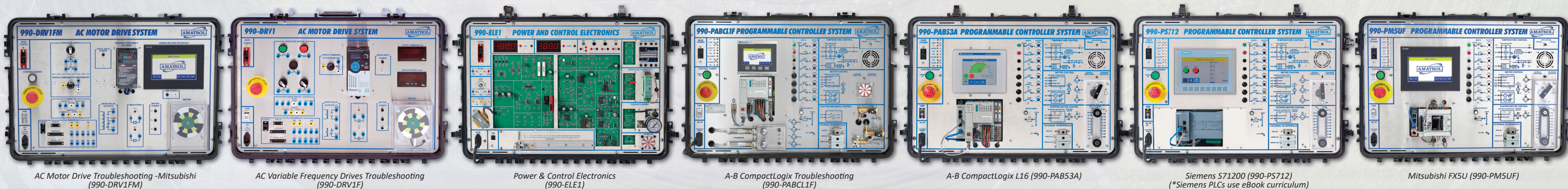


Portable Systems

- Anytime, anywhere electronics training with unparalleled convenience
- Troubleshooting systems feature FaultPro fault insertion software
- Portable systems include in-depth, highly-interactive multimedia curriculum* available on Amatrol's eLearning platform
- Available systems include:
 - AC Variable Frequency Drives & VFD Troubleshooting
 - Power and Control Electronics
 - PLCs/Troubleshooting for Allen-Bradley, Mitsubishi, and Siemens

895 Configurations

- 895-C11 - AB CompactLogix L30
- 895-C12 - AB ControlLogix
- 895-C21 - AB CompactLogix L16 and L30
- 895-C22 - AB CompactLogix L16 and L30 with Distributed I/O, Ring/NAT Network
- 895-C23 - AB CompactLogix L16 and AB ControlLogix with Distributed I/O, Ring/NAT Network
- 895-C31 - AB ControlLogix, CompactLogix L16 and L30



AC Motor Drive Troubleshooting -Mitsubishi (990-DRV1FM)

AC Variable Frequency Drives Troubleshooting (990-DRV1F)

Power & Control Electronics (990-ELE1)

A-B CompactLogix Troubleshooting (990-PABCLIF)

A-B CompactLogix L16 (990-PAB53A)

Siemens S71200 (990-PS712)
(*Siemens PLCs use eBook curriculum)

Mitsubishi FX5U (990-PM5UF)

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