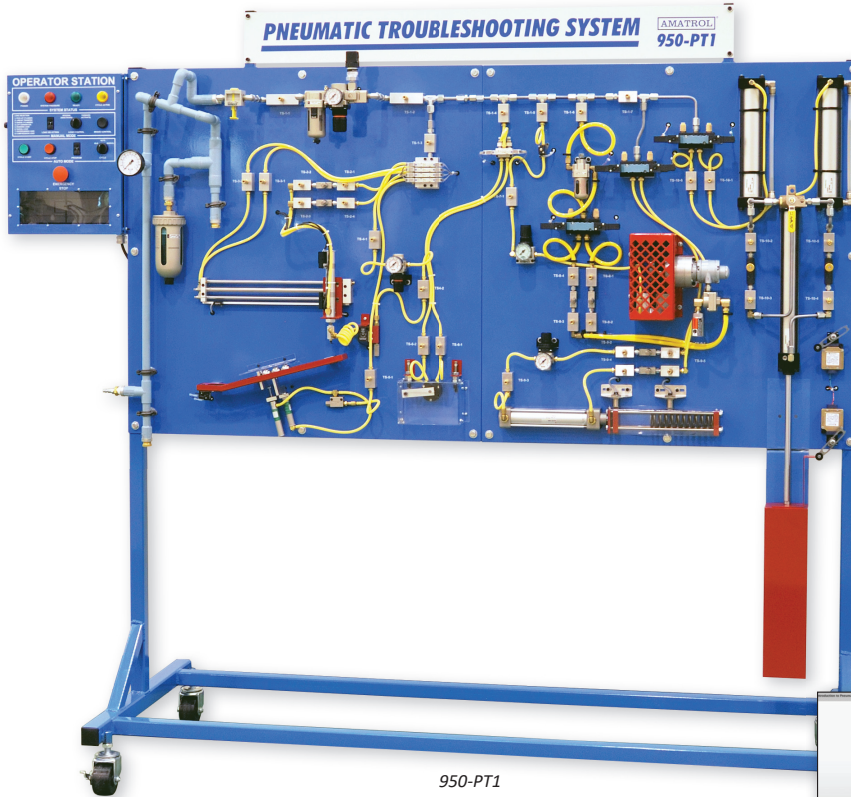


Pneumatic Troubleshooting Learning System

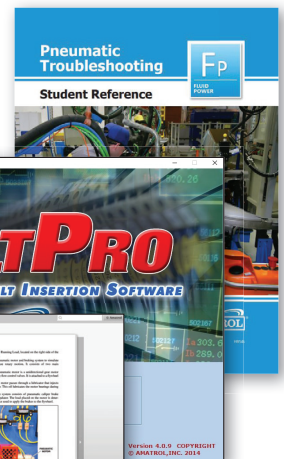
950-PT1

Fp

FLUID
POWER



950-PT1



Student Reference Guide, FaultPro, and Optional eBook Curriculum

Learning Topics:

- In-Circuit Pneumatic Component Testing
- Air Preparation Troubleshooting
- Troubleshooting Pneumatic Cylinders
- Air-Over-Oil System Operation
- Motor and Rotary Actuator Troubleshooting
- Rotary Actuator Operation
- Troubleshooting DCV and Flow Control Valves
- Quick Exhaust Valves and Exhaust Restrictors
- Troubleshooting Vacuum Systems
- Vacuum Switch Operation
- Troubleshooting Pneumatic Systems

Amatrol's Pneumatic Troubleshooting Learning System (950-PT1) teaches pneumatic troubleshooting skills like no other product on the market today. A hands-on learning station models a real-world electro-pneumatic machine featuring FaultPro, Amatrol's exclusive computer-based fault insertion system. FaultPro allows 30 faults to be inserted into the system, teaching learners essential troubleshooting skills valuable throughout industry.

The 950-PT1 is the first product to offer a realistic troubleshooting experience for learners, because faults can be inserted throughout the system, including the pneumatic, mechanical, and electrical components. The system acts like a real machine with realistic loads and pressures, as well as real-world pneumatic components. The 950-PT1 can also be used to teach advanced pneumatics, system tuning, installation, and maintenance.



Technical Data

Complete technical specifications available upon request.

Mobile Workstation

Header System

- Main Header Line
- System Inlet Pressure Gauge
- Branch Line Drop Leg

Overrunning Load Circuit

- DCV, 5-way, 3-position
- Hydraulic Flow Control Valves (2)
- Hydraulic Cylinder
- Overrunning Load Weight & Limit Flag

Compression Load Circuit

- DCV, 5-way, 3-position
- Cylinder, JIC-type
- Inductive Limit Switches (2)

Running Load Circuit

- DCV, 5-way, 3-position
- Lubricator
- Flow Control Valves (2)

Radial Load Circuit

- DCV, 5-way, 2-position
- Flow Control Valves (2)
- Limit Switches (2)

Vacuum Load Circuit

- DCV, 5-way, 2-position (4)
- Flow Control Valves (3)
- Pressure Regulator
- Vacuum Tap Gauge Assembly
- Ball Bearings (6)

PLC Control Unit

- Allen-Bradley MicroLogix 1200 PLC
- Indicator Lights (4)
- Emergency Stop Pushbutton

FaultPro Software

Pressure Tap Gauge Assembly, Pneumatic (3)

Pressure Tap Gauge Assembly, Hydraulic (2)

Lockout/Tagout System

Shock Absorber Allen Wrench

USB Cable and Interface

Student Curriculum (BB546)

Instructor's Guide (CB546)

Installation Guide (DB546)

Student Reference Guide (HB546)

Additional Requirements:

- Compressed Air Supply (5 SCFM @ 100 PSIG)
- Hand Tool Package (41221)
- Computer (Visit www.amatrol.com/support/computer-requirements for details.)

Utilities:

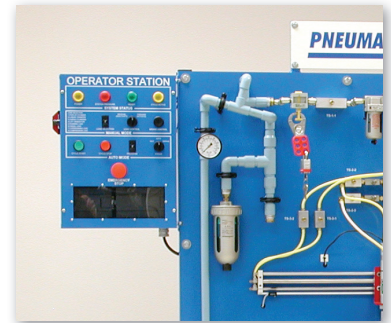
- Electricity: 100-240 VAC/50-60 Hz/1 phase

Options:

- eBook Curriculum (EB546)

Practice Real-World Pneumatic Troubleshooting, Maintenance, and Installation Skills

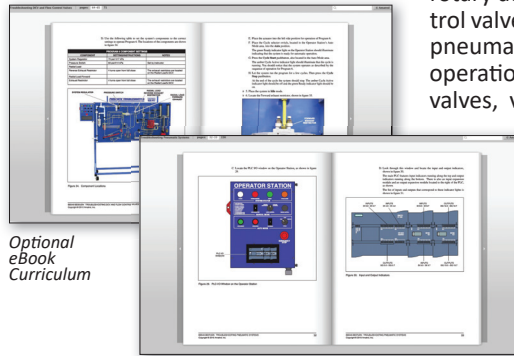
The 950-PT1 teaches pneumatic troubleshooting effectively because it operates under actual load conditions. Each application exposes learners to a different type of load, including inertial, friction, compression, and static loads. The system gives learners experience with situations they will actually encounter on the job. Each of the major circuit panels replicates a common application. The PLC control offers a variety of selectable programs to change sequences, presenting learners with different troubleshooting scenarios.



950-PT1 Operator Station

In-Depth Pneumatic Troubleshooting Curriculum

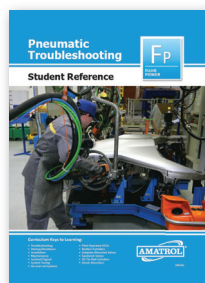
The 950-PT1 includes an in-depth, comprehensive curriculum that provides a strong foundation in pneumatic troubleshooting, including air preparation, pneumatic cylinders, motor and rotary actuators, and directional control and flow control valves. Learners will study topics, such as in-circuit pneumatic component testing, air-over-oil system operation, rotary actuator operation, quick exhaust valves, vacuum switch operation, and troubleshooting machine performance faults. The curriculum is also available in a convenient eBook format with enhanced features like keyword searches and zoom controls that enable users to quickly locate and view information.



Optional eBook Curriculum

Realistic Pneumatic Troubleshooting with FaultPro

The 950-PT1 features FaultPro, Amatrol's exclusive computer-based fault insertion software. FaultPro automatically inserts faults and tracks learners' troubleshooting efforts. Up to 30 faults can be inserted into the electrical system, loads, and pneumatic system, creating realistic troubleshooting experiences for users. FaultPro's computer-based faults automatically track progress, enabling learners to gain troubleshooting skills in a self-paced environment that ensures that faults are inserted safely, protecting both learners and equipment.



Student Reference Guide

A sample copy of the Pneumatic Troubleshooting Student Reference Guide is also included with the system for your evaluation. Sourced from the system's curriculum, the Student Reference Guide takes the entire series' technical content contained in the learning objectives and combines them into one perfectly-bound book. Student Reference Guides supplement this course by providing a condensed, inexpensive reference tool that learners will find invaluable once they finish their training, making it the perfect course takeaway.

