PS-1000
Pneumatic Training System

A pneumatic system is basically made up of air pressure generator, control components, actuators and accessories that uses compressed air to transmit and control energy. Pneumatic systems applications are used extensively in various industries.

The “PS-1000” is launched to offer enriched knowledge from basic air pressure components, advanced air-pressure loop design to PLC-based electrical control system. The trainee can prepare themselves to be a high-level automation engineer with the help of the “PS-1000” trainer system.

The advantages of pneumatic systems

High effectiveness

High durability and reliability

Simple design

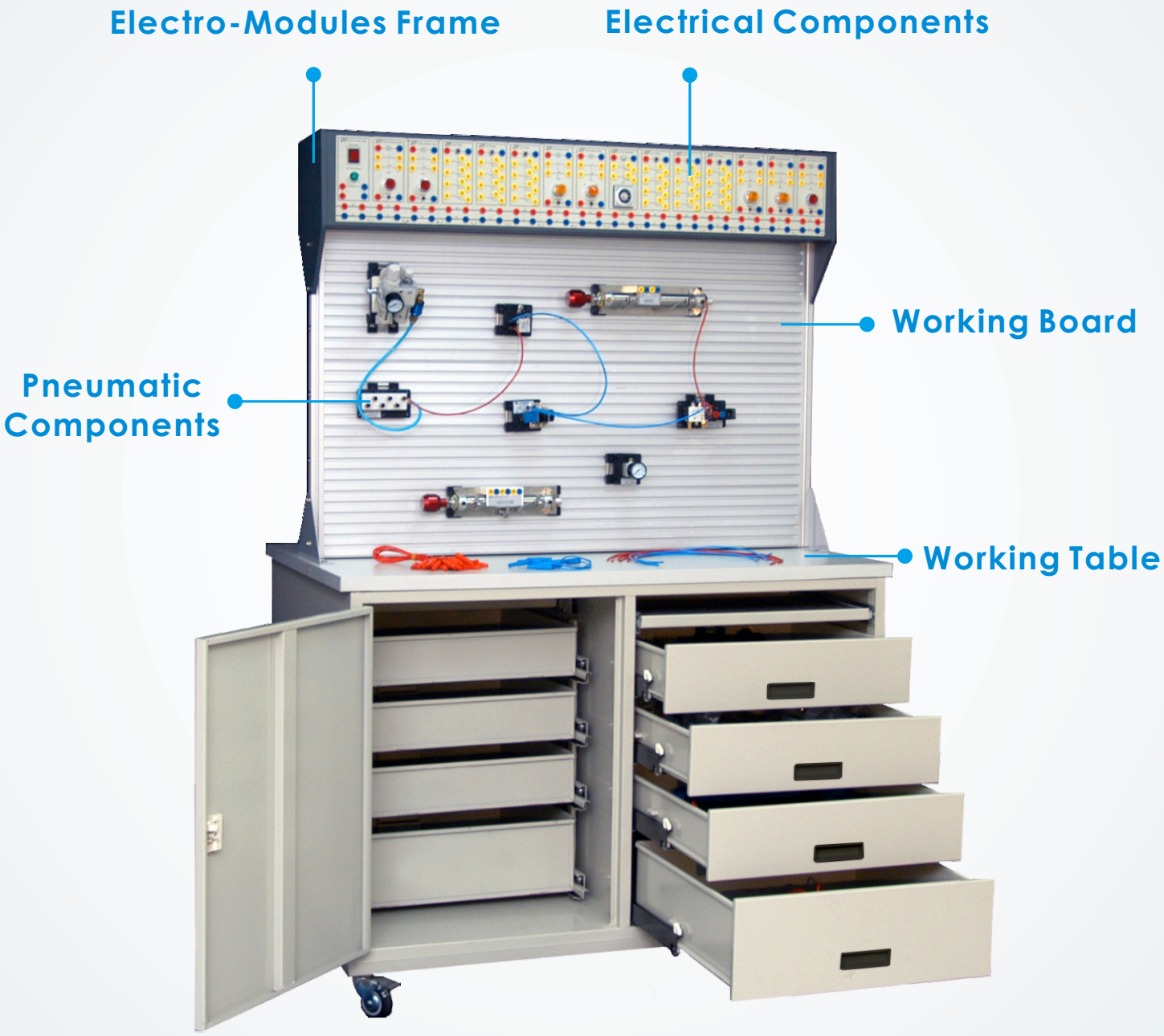
Safety

Environment friendly

Economical

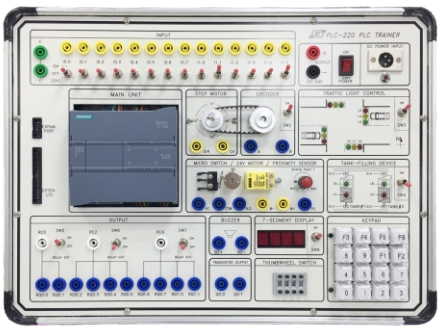
Pneumatic vs Hydraulic

Characteristics	Pneumatic	Hydraulic
Complexity	Simple	Medium
Peak power	High	Very high
Speed	High	Low
Noise	High noise level	Quiet
Utilities	Compressor/power /pipes	Pump/power/pipes
Reliability	Excellent	Good
Operating cost	Medium	High
Rotary actuator	High speed - difficult	Low speed - good
Position actuator	Difficult	Requires additional components and user support



Learning Topic

- Understanding the principles and applications of various air pressure components
- Advanced air-pressure loop design
- Training of PLC programming, including architecture, instructions and ladder diagram



PLC Trainer (Optional)
SIEMENS SIMATIC S7-1214C