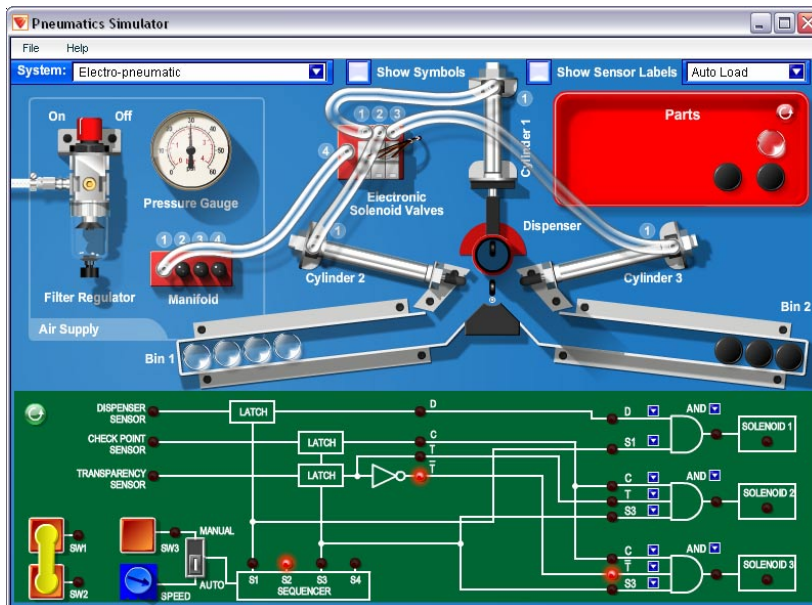
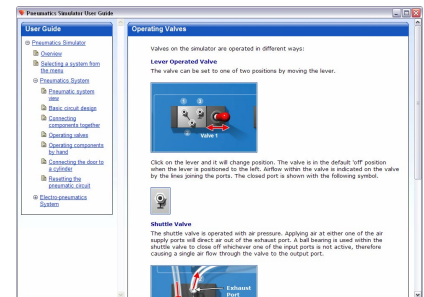




Virtual Pneumatics Trainer



User Guide



The simulator includes a user guide, which explains how to access and use the pneumatic and electro-pneumatic systems.

This interactive simulator enables students to explore pneumatic and electro-pneumatic systems.

Pneumatic systems can be built using a range of components including a 4-port manifold, single and double-acting cylinder, shuttle valve and 3-port valves.

Using the electro-pneumatic system, a logic circuit can be constructed to determine the operation of a pneumatic part sorting machine.

Pneumatic System

The pneumatic system is comprised of several components that can be connected using the tubes provided to make pneumatic circuits.

Components include:

- 4-port Manifold (with pressure gauge)
- Shuttle Valve
- T-Piece
- Single-acting cylinder
- Double-acting cylinder
- 2 3-port lever valves
- 8 tubes
- 4 Blanking Caps

Electro-pneumatic System

The electro-pneumatic system has a pneumatic circuit pre-configured so that each of its 3 cylinders is connected to the air supply via electronic solenoids.

Electrical circuits can be designed that activate the solenoid valves, which in turn will operate the cylinders.

Minimum Computer Requirements

- Windows® 2000 or later
- 50 MB free hard disk space
- Flash Player v9 or later (supplied on CD)

Languages Supported

- English (US)
- English (GB)
- Spanish

Order as:

VPNEU1/SL Virtual Pneumatics Trainer
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