



Pneumatic Technology Package

Industry Relevant, State-of-Art, Multidisciplinary, Mechatronics and Automation Training System, Specifically Designed for Educational & Industrial Training Installations.

Mechatronics & Automation is a synergic mix of Electronics, Electrical, Mechanical, Computer Science and Instrumentation & Controls. It is being increasingly used all across industry for enhanced quality and productivity.

As a result, industry requires Engineers with multi-disciplinary knowledge to handle automated systems.

With the help of indepth industry knowledge, experience and extensive R & D capabilities, L.S.Mechatronics Pvt. Ltd. has developed different Mechatronics Training Packages. These packages can work as stand alone systems and can also be combined into one completely integrated **Mechatronics Laboratory** for training of Engineering Students and Industry personnel (Technical).

The Pneumatic Technology Package is one of the Mechatronics Training Packages.

Pneumatic components and systems can be found in all aspects of manufacturing applications from

assembly line robots, to storage, retrieval and delivery systems. By providing the force for clamping, lifting and moving, pneumatic and electro-pneumatic technology enables the automation of entire production processes, thereby reducing time and costs and improving quality.

The study and use of pneumatic technology is thus an important element in preparing students for success in industrial careers and making existing technical industry personnel aware of these technologies. LSM Pneumatic Technology Package enables them to grasp the fundamentals of pneumatically & electro-pneumatically controlled systems commonly used in modern automated manufacturing environments through hands-on activities. This package challenges them to design and build pneumatic & electro-pneumatic circuits with actual components.

The Pneumatic Technology Package uses the training panel along with a wide

assortment of industrial grade pneumatic components. Unlike the fixed panel components in some other Pneumatic Technology Package, students/industry personnel can easily mount and configure components on the pneumatic panel in order to create a variety of applications. They can connect different components, change physical parameters and observe system response.

LSM's ATS Pneumatic Technology Package emphasizes real industrial concerns as it takes students/industry personnel through two levels of study:

- ◆ LSM PT 200 gives them broader experience in pneumatics & advance pneumatics.
- ◆ LSM PT 300 takes them into electro-pneumatics using I/O's.

LSM's curriculum is a combination of text books and automation exercises giving the students/industry personnel, state-of-art industry relevant experience.

