

Identify and Replace Pneumatic Components

The aim of this course is to provide learners with an understanding of the basic principles of pneumatics and vacuum technology and the application within the plastics manufacturing industry and the skills required to perform routine checks and maintenance on pneumatic components.

- ✓ COMPRESSED AIR GENERATION AND SUPPLY
- ✓ CONTROL VALVES AND ACTUATORS
- ✓ FLOW CONTROL SYSTEMS
- ✓ PRESSURE-DEPENDANT CONTROL SYSTEMS
- ✓ VACUUM TECHNOLOGY
- ✓ MAINTAINING PNEUMATIC COMPONENTS ON MACHINES

At the end of this course learners will be able to:

- Read and interpret basic diagrams and symbols
- Understand the function of linear and rotary actuators
- Identify methods of flow control: pressure, flow, direction
- Understand the procedure to follow in inspecting pneumatics components
- Understand common causes of wear to pneumatics components
- Identify any worn or damaged parts or components
- Identify type of lubricant and top up when required
- Interpret Material Safety Data Sheet
- Identify basic physical pneumatic components on the plastics processing equipment and on the plastics processing equipment and on the machine drawings
- Strip and reassemble pneumatic cylinders