## Contents

- Compressed air generation, compressor types
- Compressed air conditioning, drying and distribution
- Directional, flow, pressure and isolator valves
- Single- and double-acting cylinders
- . Holding element control, impulse valve
- Velocity and stop control
- Distance-dependent controls, limit switches
- Time- and pressure-dependent controls
- Sequential controls with signal overlapping
- ❖ Basic circuits of electro-pneumatic systems
- Introduction to the vacuum technology
- Symbols and circuit diagrams according to DIN ISO 1219
- . Bases of the component design
- Practical exercises at the pneumatic training system

## Learning targets

- Understanding the basic set-up of a pneumatic system
- Understanding the function and set-up of selected pneumatic components
- Being able to prepare pneumatic diagrams
- Handling pneumatic systems during planning and in the operational everyday life

## **Pneumatics Laboratory**



