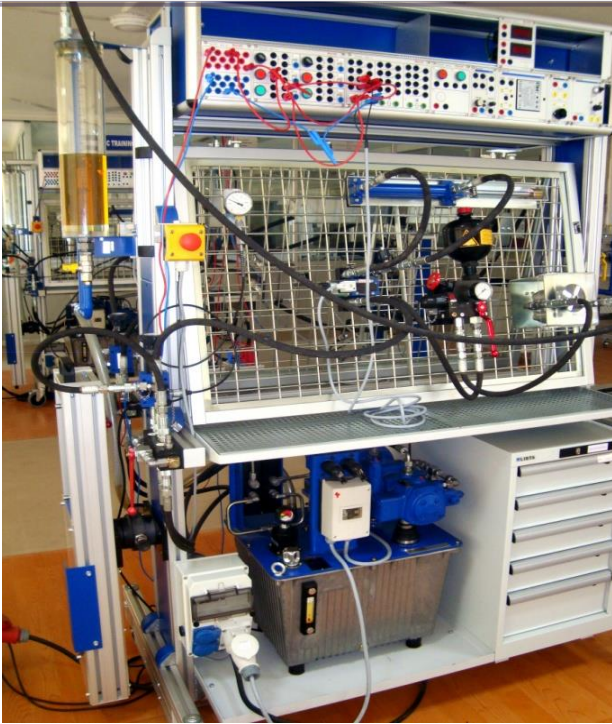


Hydraulics Laboratory



Contents

- ❖ Set-up and function of a hydraulic system and typical components of industrial hydraulics
- ❖ Physical bases and their laws in fluid technology
- ❖ Symbols according to DIN ISO 1219
- ❖ Hydraulic pumps, hydraulic motors and cylinders
- ❖ Control technology (isolator, directional, pressure and flow control valves)
- ❖ Reading and understanding circuit diagrams

Learning targets

- ❖ Understanding the basic set-up of a hydraulic system
- ❖ Understanding the function and set-up of selected hydraulic components
- ❖ Understanding circuit diagram functions
- ❖ Effectively using technical documentation (data sheets, DIN ISO 1219, etc)
- ❖ Handling hydraulic systems during planning and in the operational everyday life
- ❖ Criteria for the planning and design of hydraulic systems