



PNEUMATIC AND HYDRAULIC SYSTEMS

The competence related to pneumatics and hydraulics at the Institute of Machine Tools and Mechatronics offers the opportunity of a training course for industrial professionals. State-of-the-art production units, lines and machine tools include pneumatic and hydraulic systems and knowledge of them is essential for industrial professionals.

COMPETENCIES

- Design and simulation of pneumatic, electro-pneumatic, hydraulic systems
- Training in pneumatic and hydraulic systems



SERVICES

- Pneumatics, electro-pneumatics courses
- Hydraulics course
- Design of pneumatic and hydraulic systems



TOOLS

- Bosch-Rexroth hydraulics, pneumatics laboratory
- Festo system engineering laboratory
- Festo electro-pneumatics laboratory
- RVJ-2 Mitsubishi industrial robot with pneumatic positioning carriage integrated in a Festo MPS system



REFERENCES

- Development of a rock pressing hydraulic system in the GINOP-2.3.2-15-2016-00010 project (in process)
- Holding Festo pneumatics, electro-pneumatics courses
- Design and experimental investigation of a hydrostatic guideway
- Hydraulic-pneumatics courses for Bakai Szerszámgép Kft., Sanmina Magyarország Kft.