

Main goals of the department:

Education in the field of machining technology, research and development in machining technology (HSC, hard and dry), development of post processors for modern CAD/CAM systems, NC programming for machining complicated surfaces and research into integration of job engineering of production and application of CAD/CAM in this field. Applications of reverse engineering, metrology and quality control.

The department's offers:

- ✓ HSC, hard and dry machining
- ✓ NC programming and technology for machining complex surfaces
- ✓ NC programming for grinding complex surfaces
- ✓ Post processors for CAD/CAM
- ✓ Application of CAD/CAM in job engineering
- ✓ Design of special tools
- ✓ Application of coating tools
- ✓ Production process projection
- ✓ Metrology and 3D measuring
- ✓ Quality control
- ✓ Rationalization
- ✓ Ergonomics
- ✓ Time analysis

Available spaces:

Machining laboratory hall
Machining training laboratory
CAD/CAM laboratory
Ergonomics laboratory

References:

Dagis, a.s.
Iscar, s.r.o
Kovosvit, a.s.
Hofmann, s.r.o
Hofmeister, s.r.o
ŠKODA STEEL, s.r.o

Main directions of research:

- ✓ Application of research experience to education
- ✓ Application of research and development know-how in cooperation with industry
- ✓ Realization of interdisciplinary research and development
- ✓ Training in the field for industry

