

Main goals of the department:

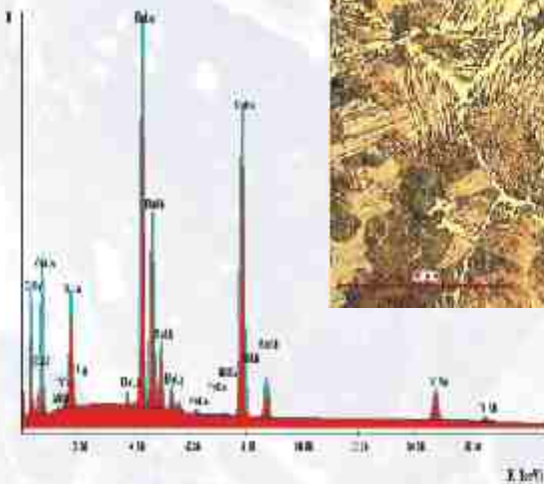
To nurture young specialists in the field of material engineering and engineering metallurgy. The research foundation creates a theoretical and experimental background for solving problems in this field.

The department's offers:

- ✓ Chemical analysis and material chemistry
- ✓ Mechanical testing
- ✓ Creep testing
- ✓ Metallographic and fractographic analysis
- ✓ Evaluation of thin layers
- ✓ Technological testing
- ✓ Tribological properties
- ✓ Heat treatment
- ✓ Welding technologies
- ✓ Working metal and alloys
- ✓ Foundry work
- ✓ Materials expertise
- ✓ Consultation, expert opinion
- ✓ Training and seminars

Main directions of research:

- ✓ Creating ultra-fine structures in steels and Al alloys
- ✓ Thermo mechanically treated steels
- ✓ Development of unconventional forming processes
- ✓ Physical simulation of technological processes
- ✓ Analysis of fine layers in cutting tool technology
- ✓ Prediction of properties of ferrous and non-ferrous materials



References:

- Hofmeister s.r.o
- Škoda Steel s.r.o
- Škoda v zkum s.r.o
- COMTES FHT s.r.o.
- Value Engineering s.r.o
- TSR Czech Republic s.r.o.
- Czech Precision Forge, a.s.
- Kovohutě Příbram nástupnická, a.s.
- SHV s.r.o Czech Republic, Pivot, a.s.

