

STRONG POINTS

- ▶ Tradition and very good experimental base
- ▶ Development of new areas and directions
- ▶ Stabilized personnel base and qualification structure
- ▶ Relatively smaller / more compact faculty compared to mechanical faculties in the CR
- ▶ Partnership and cooperation with other faculties of mechanical engineering
- ▶ Significant connection to application and industrial sphere, high share of contract research
- ▶ Close contacts to research institutes in the Czech Republic.
- ▶ Strong involvement of students in scientific and research activities
- ▶ State-of-the-art laboratory equipment comparable to world standards

WEAK POINTS

- ▶ Low participation in international cooperation of science and research
- ▶ Low share of funds for basic research
- ▶ Low publication activity in prestigious magazines
- ▶ Average mobility of teachers and students
- ▶ Declining number of doctoral students
- ▶ Low personnel diversity / Inbreeding
- ▶ Insufficient support for the quality of RDI management and administration at TUL
- ▶ High administrative burden related to research activities

OPPORTUNITIES

- ▶ Membership in the EU and strengthening the support of RDE, possibilities of cooperation »with foreign institutions
- ▶ Research background with strong potential for applied research and applicable results
- ▶ Motivation and support of young scientists
- ▶ Increased support from the industrial sector not only in applied research
- ▶ Good conditions for interdisciplinary cooperation given by the structure of faculties and faculties of TUL
- ▶ Investments into Hi-Tech technologies, laboratories
- ▶ Rational orientation of the methodology concerning higher education evaluation
- ▶ Increase in state support for technical education
- ▶ Expected increase in graduates from secondary schools in the horizon of 8-10 years

THREATS

- ▶ Leaving of key academics to the non-university sphere and abroad
- ▶ Decrease in the level of student knowledge at all levels of the educational system
- ▶ Lack of technical students
- ▶ Low share of funds for free research in engineering fields
- ▶ Increasing administrative burden on all processes related to the functioning of the university
- ▶ Expected stagnation and economic downturn