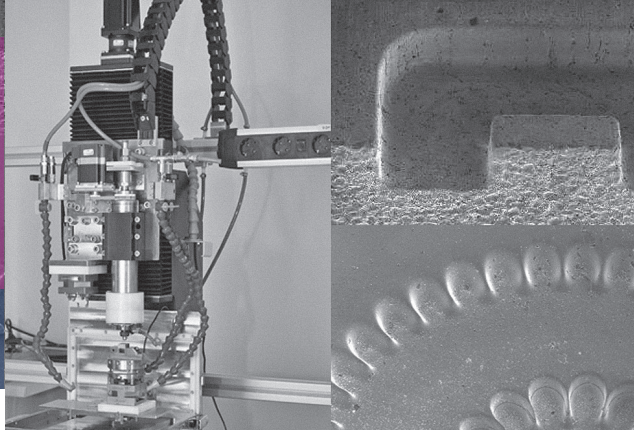




Co-operation offer



Laboratory of Precision Unconventional Machining
Institute of Production Engineering
Cracow University of Technology



Laboratory of Precision Unconventional Machining

The Laboratory of Precision Unconventional Machining operates since 2008 and specializes in research in the field of unconventional manufacturing technologies (loss and additive). In this area we are focused on electrochemical and electrodischarge machining, precise laser machining of difficult to cut materials and hybrid manufacturing processes. The Laboratory is equipped with: electrochemical and electrodischarge micro-machine tool, DPSS Nd:YAG laser to machine diamond, PCD and other hard and brittle materials and hybrid - micro lathe. This specialized equipment is especially adapted for mezo- and micromachining and was designed and developed by Laboratory personnel.

Our highly qualified research team have many years of experience in research on unconventional machining methods. The Laboratory personnel cooperates with institutes in the whole Poland and in the world. The cooperation with Universities i.e. Warsaw Technical University or Magdeburg University in Germany mainly concerns mathematical modelling, process simulation and research in the field of unconventional manufacturing technologies (especially electrochemical and electrodischarge machining). Our scientific activity

concerns also local and worldwide cooperation with industrial partners at scope of feasibility studies, development of processes and technologies as well as technological advise.

We look for partners to participate in joint projects in following fields:

- Precision machining
- Unconventional manufacturing technologies (electrochemical machining, electrodischarge machining, laser machining of difficult to cut materials, hybrid processes)
- Modelling of unconventional manufacturing processes

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Scientist + Entrepreneur = Success

If you are planning to develop your company on the basis of the latest scientific findings and you would like to collaborate with experienced scientific experts check the offer of Cracow University of Technology for the industry www.s2b.transfer.edu.pl.

Our online database includes:

- technology offers, patents and industrial designs
- listing of University commercial services including laboratory expertise and research
- database of experts with experience in the implementation of services for the industry

As an internal unit of Cracow University of Technology, our team of consultants is specialized in the commercialization processes. On the other hand long term active cooperation with entrepreneurs allows us to identify precisely industry needs and expectations. Experiences gained through the last two decades on the edge of industry and science collaboration, let TTC formulate optimal models of commercialization and suitable methods of development projects support.



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