ON-SITE OPTIMIZATION OF YOUR PRODUCTION PROCESSES
Identification of Optimization Potentials

Shorter product cycles and steadily increasing quality requirements in connection with greater pressure on costs makes technologically coordinated and efficient production processes a must. The Fraunhofer IPT analyses its clients’ production flows and machining processes on site, works together with its clients to develop internal production processes and determine process technology improvement measures. We then help clients to implement the improvements in practice. The aim is to generate additional capacity, reduce cycle times and comply with quality requirements.

By making more efficient use of your resources, you will significantly improve your productivity and competitiveness.

Advantages of process optimization

• Efficient and comprehensive identification of the technical and economic weak points in your production flows and machining processes
• Professional, specific and customized on-site implementation of improvement measures
  – More effective use of your resources
  – Fast implementation of our findings into your production lines
• Access to extensive expert knowledge for the development, optimization and implementation of machining processes
• Access to powerful data analysis and optimization software packages specially developed by the Fraunhofer IPT and then customized to suit your company

Our offer

On the basis of a comprehensive view of your production flows and machining processes, we offer you support and solutions to match the potential and production operations within your company in the following disciplines:

• Technological analysis and optimization of your machine pool
  – Generation of new capacity
  – Implementation of flexible machining processes
• Analysis and improvement of your milling and turning processes
  – Positioning and clamping devices that are easy to handle, for stable machining processes without vibrations
  – Strategy design and progression
  – CAD/CAM program data generation and optimization
  – Machine selection
  – Tool and process parameter selection
• Evaluation of machine concepts and suggestions for future technological investments
• Employee training
Our specialties

• A motivated, interdisciplinary team of scientists, technicians and design engineers
• Many years of experience in the analysis and optimization of innovative machining processes
• Competent, short-term and unbureaucratic on-site support
• Implementation of a sustainable optimization process thanks to a well-proven, systematic project management process
• A comprehensive profile ranging from material and tool engineering to CAX data technology, process technology and the topic of clamping and positioning techniques

You can get to know us and our methods at a non-committal, introductory meeting. We are always available to tell you about our approach and how we can customize our methods to suit your company’s needs. Just call and ask for an appointment!

Our references

“After a comprehensive analysis of our production flows, the Fraunhofer IPT soon identified room for improvement. The Fraunhofer IPT’s systematic approach and its well-established technical understanding helped us to quickly find a substitute for expensive manual finishing operations. We were then able to free up new capacities and strengthen our market position.” (Belte AG)

“After long-term experience with the Fraunhofer IPT, we consider the institute to be a reliable project partner who always drives industrial projects on with innovative knowledge and ideas, and with great determination.”
(Management Engineers GmbH + Co. KG)
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