

In addition to turning, drilling, milling and grinding sub-contract machining possibilities, TOSHULIN and TOS Kuřim companies also offer other services:

- Development and manufacture of components and assemblies: development, design planning, manufacture, assembly, measuring and testing of machinery components of various devices and assembly groups according to the assignment
- Development of components and assemblies: development and creation of the design documentation for various devices and assembly groups according to the assignment
- Creation of 3D models: modelling of parts or assembly groups from various industries according to printed or electronic documentation
- FEM analyses: strength calculations using Finite Element Analysis with the programs ANSYS or Nastran in Inventor
- Development of electrical cabinets: development and creation of the design documentation for the electrical cabinets and hardware equipment of various devices, design of components in the electrical cabinets with the program Eplan ProPanel and creation of electrical wiring diagrams with the program EPLAN P8
- Digitization of electrical wiring diagrams: conversion of the printed electrical wiring diagrams to electronic form in the programs Eplan P8 and Eplan Pro Panel
- PLC programming: creation of PLC programs for machines equipped with Siemens or Fanuc control systems
- Precise measuring of parts with 3D measuring machines: measuring with a Wenzel 3-axis machine, measuring with a Merlin, which is equipped with the Renishaw Revo head – 5-axis measuring including scanning of the surface shape and measuring inside bores up to 500 mm depth
- Precise measuring of shafts using the Rondcom 44
- Measuring of surface roughness and of surface hardness
- Measuring of parts having large dimensions: optical measuring with the API Laser Tracker
- Accuracy measuring of machine tools: accuracy measuring of position setting and accuracy measuring of motion axes using the Renishaw laser interferometer, assessment of results according to the selected standard, accuracy measuring of interpolation of axes and geometry setting by means of the Renishaw Ball-Bar
- Digitization of drawings: conversion of the printed documentation to the electronic form
- Scanning and printing of documents up to the size of A0: in colour up to A3, black and white up to A0

The above-mentioned activities are performed by employees having rich, extensive and long-lasting experience with the manufacture of high-efficient, precise and reliable machine tools. The high technical level of employees working in the company is proven by the range of sophisticated machine tools supplied to important customers throughout the world.

Please contact us to learn more of our capabilities and how we may assist you with your application.

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