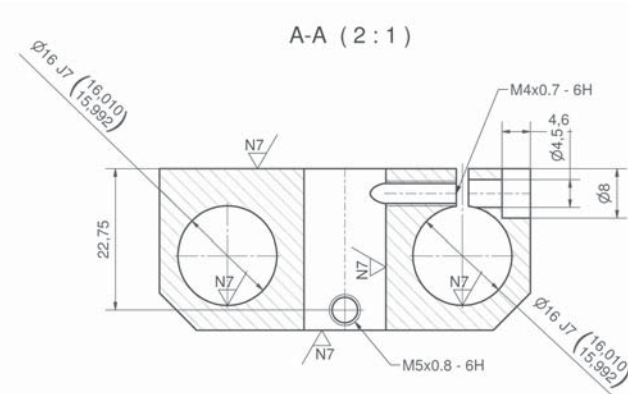
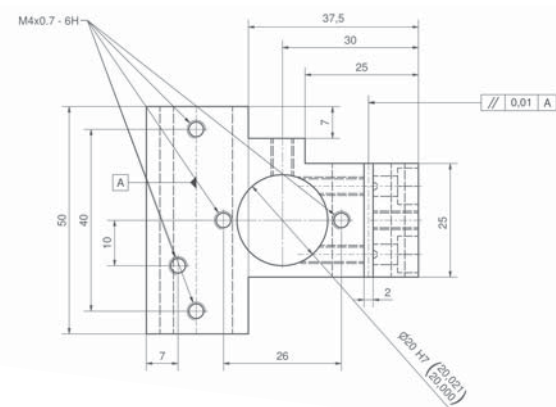
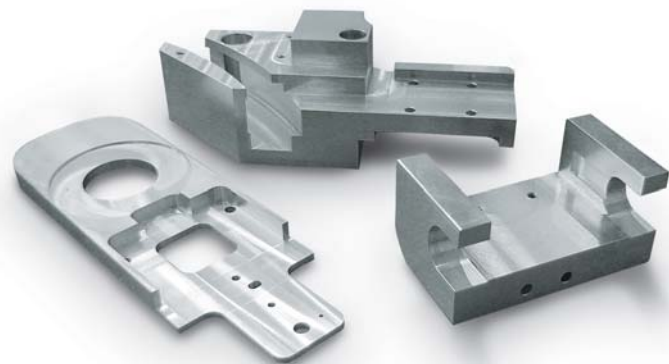


The most frequently machined material is aluminium and its alloys, and furthermore brass, high-quality steel and stainless steel. The company may also perform partial mounting of subassemblies ready made for final assembly.



Mikron spol. s r.o.

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SPECIALIST IN MANUFACTURING OF THE HIGH-PRECISION COMPONENTS IN FIELD OF PRECISION ENGINEERING AND OPTICS



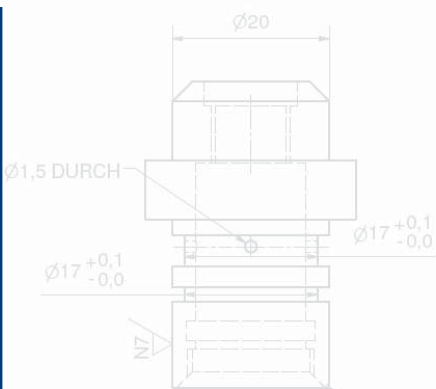
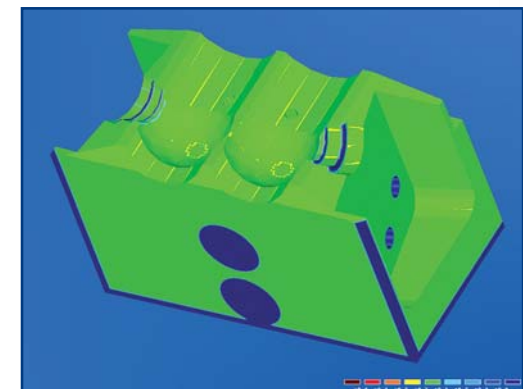
The company MIKRON spol. s r.o. was established in 1992 resuming the activities of the former JZD Komorno. The production programme then consisted of confocal microscopes developed at the Faculty of Medicine at the Charles University in Prague. Next production of micro-positioning stages with fine hydraulic feed used for high-precision movement, e.g. connecting of optical fibres.

MIKRON is based in Plzeň which is a regional capital with the population of 180,000. The city is located on the main motorway route between Nurnberg (Germany) and Prague, ca 70 km from the German border and 90 km from Prague and its international airport. Plzeň has a long tradition of mechanical production. It is the hometown of Škoda - once the largest engineering company in the former Czechoslovakia. After 1989 several major global companies moved to Plzeň, e.g. Panasonic, Daikin. Plzeň is also a home of the University with a mechanical engineering faculty.

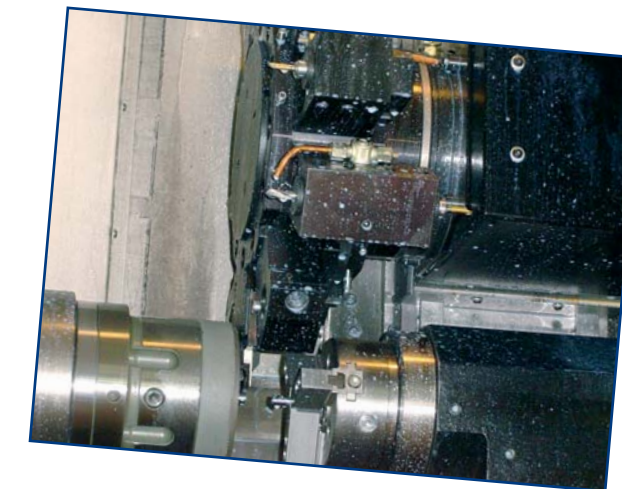
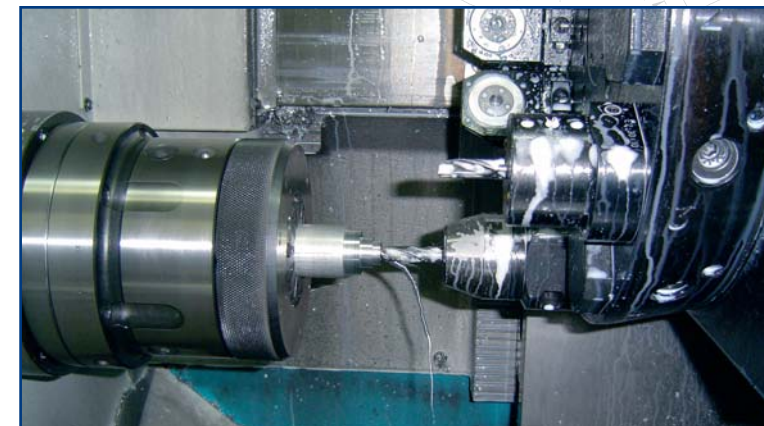


From its establishment MIKRON continued in production of micro-sliding tables with fine hydraulic feed. The accuracy of the fine feed was 0.1 µm. Over time MIKRON started to specialize in manufacture of components – high-precision parts mostly for microscopes, measuring and laboratory instruments, motors, and other parts whose precision and quality is critical.

Selected References



From 1998 MIKRON was gradually replacing classical machine tools with more efficient and high-precision machines with CNC control. Currently MIKRON has 11 CNC machines – vertical machining centres allowing 5D milling, and CNC lathes with driven tools and sub-spindles. The company is able to manufacture various high-precision parts in low- and medium-production runs according to customer needs. MIKRON employees are highly qualified specialists.



MIKRON also has a CAD/CAM system for NC programmes preparation. The NC programmes are downloaded to machines by means of a DNC network. To measure the precise and complicated parts is used new 3D CNC measuring machine Aberlink Axiom. For setting of its tools the company uses a new optical presetting instrument.

