

FACT SHEET

Precision parts & CNC contract manufacturing



We support you in the following areas:

- Complex 3D and 5-axis milling
- Manufacturing of precision single and series parts, including surface treatment (if required, including assembly, polishing, and measurement report)
- Manufacturing and assembly of components, including surface treatment (if required, including polishing and measurement report)
- Manufacturing of small, medium, and large series
- Spare parts manufacturing
- Design and manufacturing of complete systems and custom solutions

Our Technology Areas

CAD Engineering:	Creation of drawings for systems, molds, or other assemblies / components
Turning:	CNC machining up to Ø380 mm, manual up to Ø450 mm / machining of hard metal possible
Drilling (Deep Hole Drilling):	Max. workpiece size up to 1,200 x 750 x 990 mm
Milling:	CNC-3D-/5-axis milling up to 1,800 x 1,200 x 1,070 mm, including hard metal
Grinding:	Cylindrical grinding working range Ø380 mm / distance between centers 650 – 1,500 mm / center height 200 mm Surface grinding up to a workpiece size of 1,000 x 600 x 425 mm Profile grinding up to a workpiece size of 500 x 300 x 150 mm
Wire EDM / Wire Cutting:	Up to a workpiece size of 1,250 x 1,020 x 305 mm
Starter hole EDM:	950 x 300 x 500 mm
Sinker EDM:	1,800 x 1,200 x 600 mm
Electrode Manufacturing:	700 x 700 x 400 mm
Polishing:	Finishing work on special components as well as electrodes for complex geometries at the manufacturing limit
Assembly:	Assembly of units and modules in the field of plant engineering and precision parts manufacturing
Part making:	Marking laser for labels, symbols, and other types of markings on various materials (engraving / laser; 330 x 330 x 42 mm)
Measurement / Quality Assurance:	In our climate-controlled measuring room, we ensure quality within the framework of our ISO-certified management system – using tactile and optical measuring technology.
Overview of Materials:	Aluminium, Chrome-nickel based alloys, Molybdenum alloys, Stainless steel, Steel / hardened steels, Hard metals (carbides), Inconel, Invar, Plastics, Copper, Brass, Tantalum, Titanium / titanium alloys

Our Industries

Abrasives industry	In this sector, we manufacture, for example, molds for powder forging, press molds, or saw cables for cutting reinforced steel during the dismantling of oil platforms and ships.
Automotive	Our range of components includes positioning pins, gripper fingers, and various spare parts for the production lines of our automotive customers (pressure pieces, clamping levers, sealing stamps).
Semiconductor / High-Tech-Industry	Our customers in the semiconductor and high-tech industry are active both in the manufacturing of machines / EUV systems for chips / semiconductors and in the field of advanced medical technology.
Mechanical / Plant Engineering	The range includes assemblies for the production of woodworking and grinding machines as well as sophisticated components for filling systems.
Consumer Goods Industry	We supply the consumer goods industry with a variety of precision components for the manufacturing of machines and systems used in the production of consumer goods.
Energy Sector	With our machine tools from various technology fields, we process components for a wide range of energy generation systems.



rathgeber
tyrol

Rathgeber GmbH
Mold & Plant Construction
Trientlgasse 45 · 6020 Innsbruck · Austria
t +43 (0)512 33 453-0 · info@rathgeber.at
www.rathgeber.at