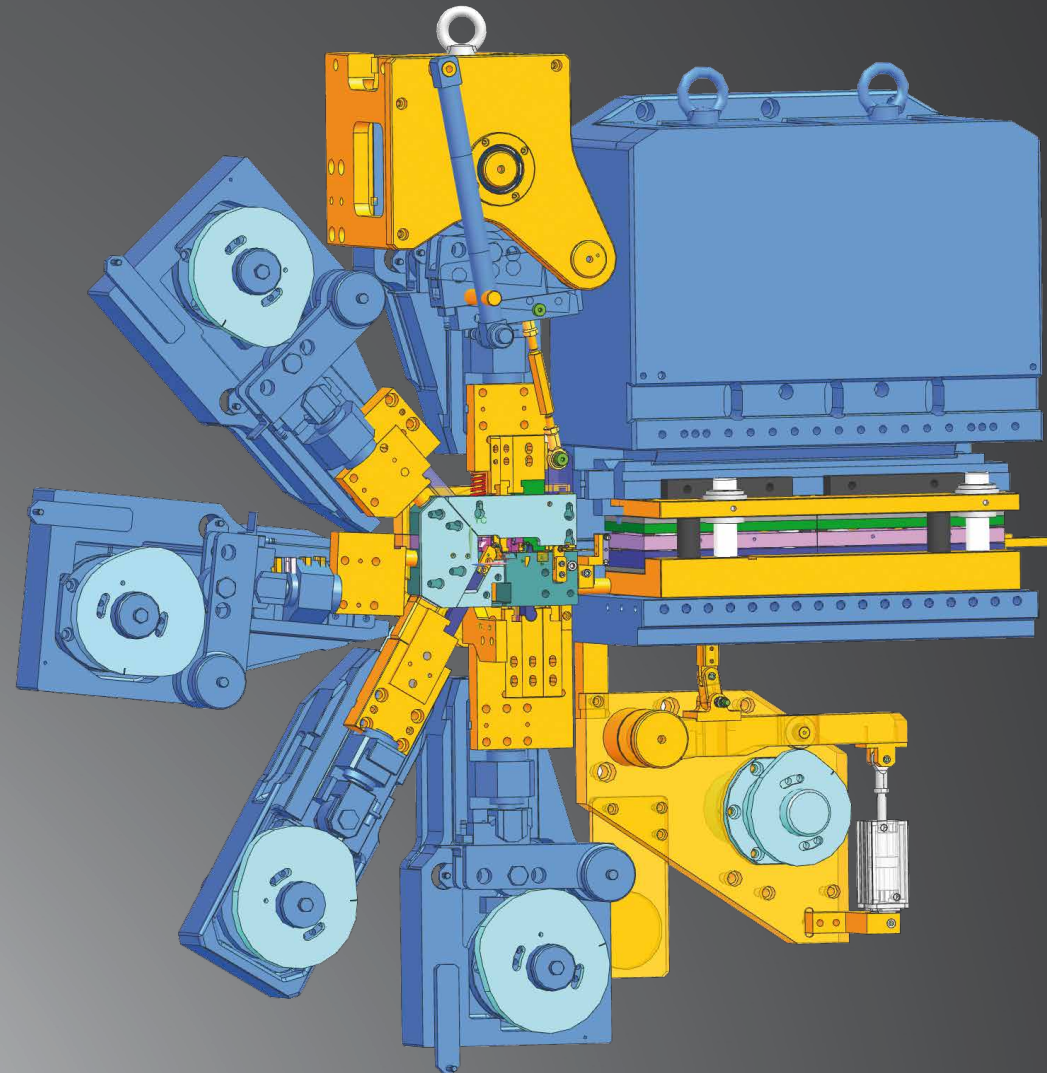
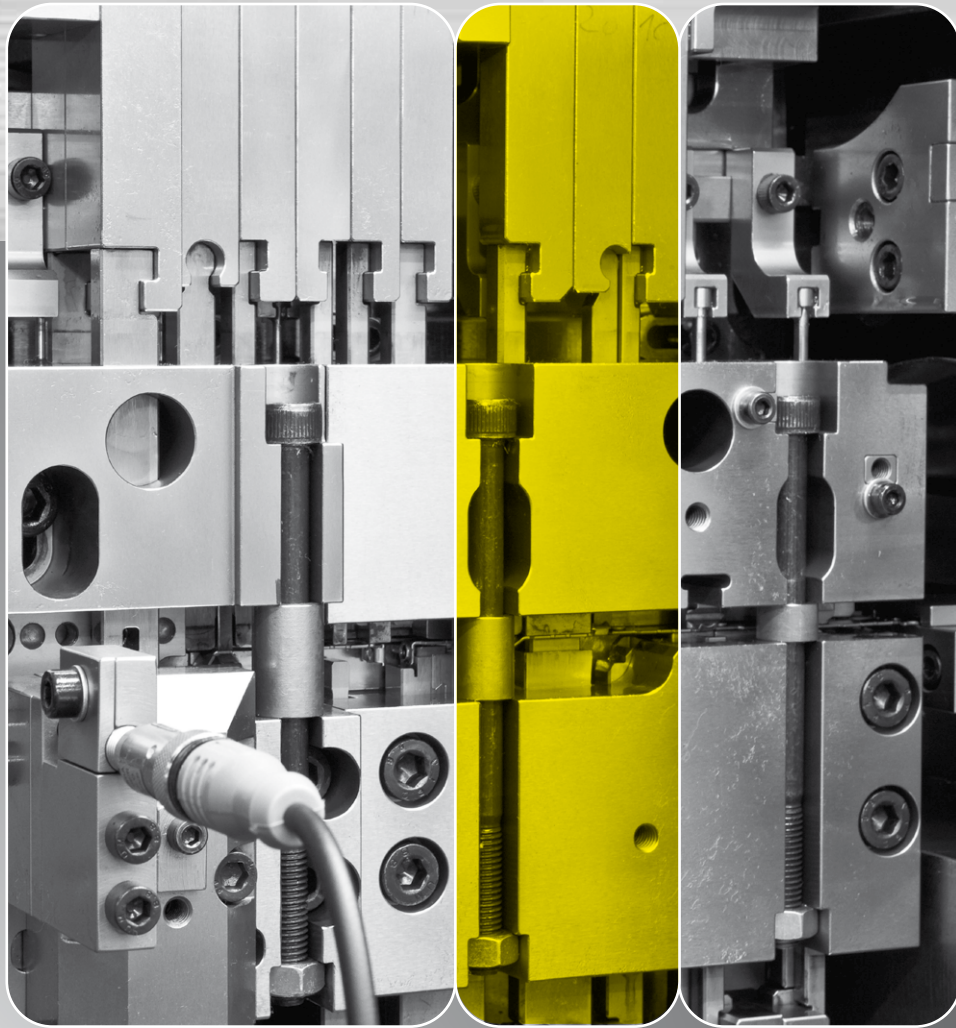


Werkzeugbau Wörgartner GmbH





A strong partner for your success

Since 1985, Peter Wörgartner and his team have been manufacturing progressive and Bihler tools, as well as spare parts based on a very demanding understanding of quality.

The technological exchange and utilization of synergies between the two company pillars of **toolmaking** and **stamped parts production** are the key to the company's overall success.



Plant Oberndorf

Plant Fieberbrunn



Peter and Johannes Wörgartner

Design, development, prototype building

The development of optimized stamped and bent parts and the selection of suitable production technologies is our daily job - Wörgartner has proven itself in this area for over three decades. Our team consists of six design engineers with a high level of expertise in the areas of Bihler and progressive tools.

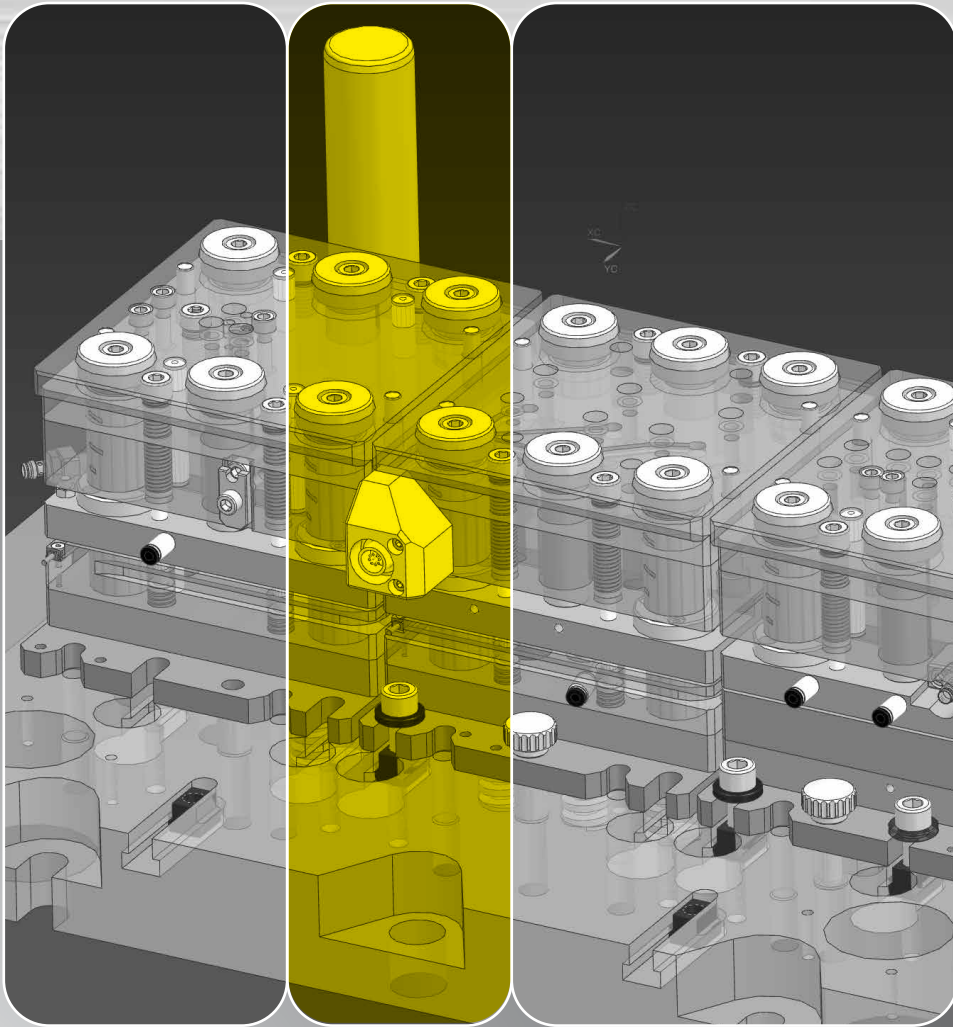
We take care of project planning from the design of the stamped parts to the complete production line while focusing on component quality and cost-effectiveness.

We also manufacture prototypes for our customers in our tool shop. Sample series can be realized in our own production facilities.

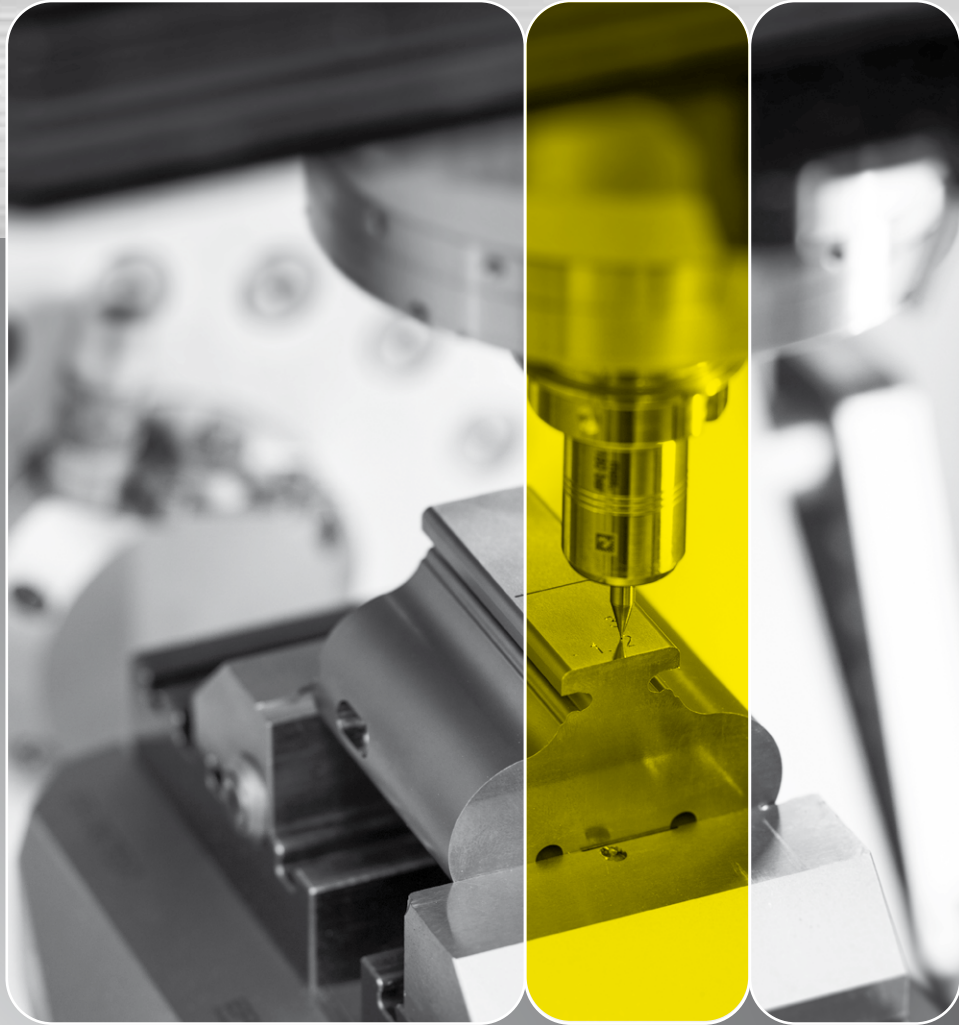
CAD/programming systems

Siemens NX incl. Bihler NX

Hypermill and ESPRIT programming systems



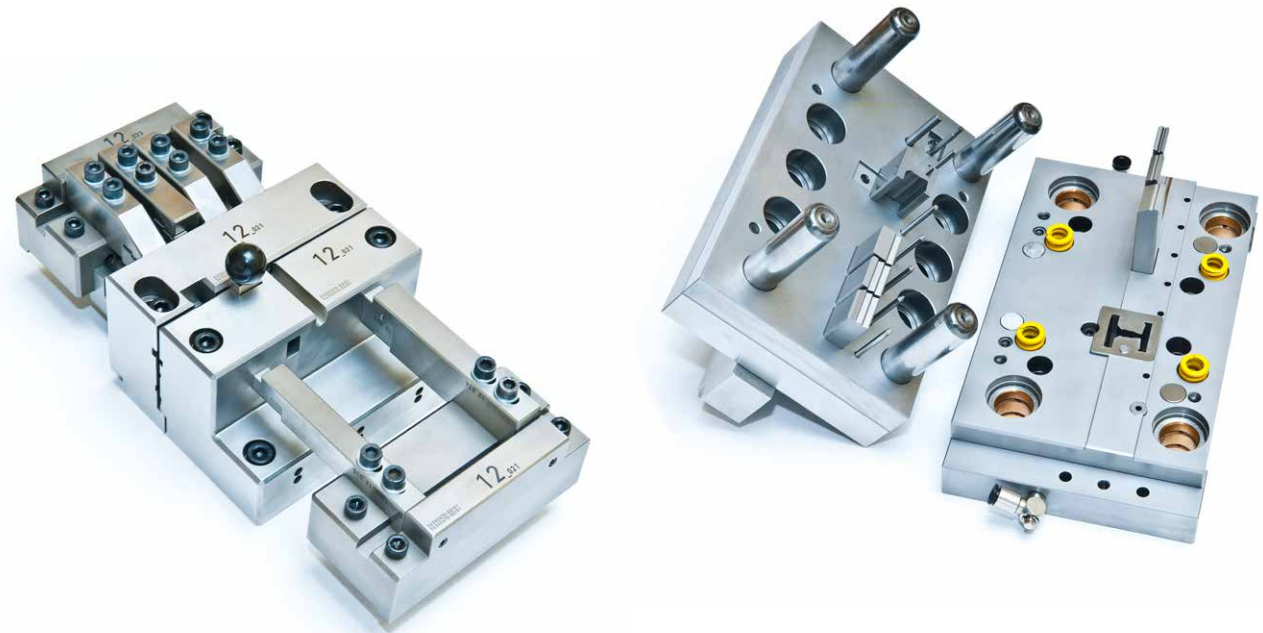
Highest precision in all production stages



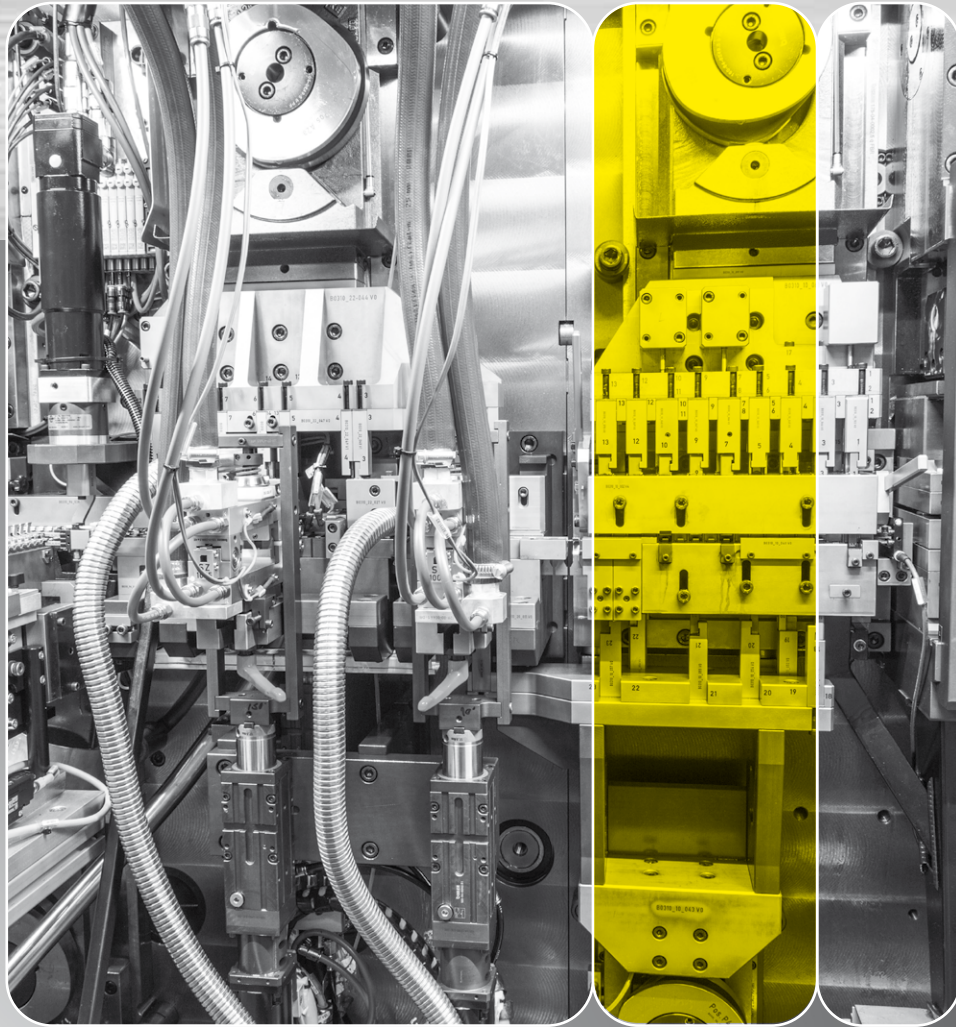
Our toolmaking department is equipped with state-of-the-art facilities. We manufacture everything from individual parts (spare parts) to complete production systems at the highest quality standards. This gives you tools with high output rates and long service lives.

Individual parts can be completely measured with protocol. We also deliver individual subassemblies pre-assembled.

We test **series tools** in our stamping workshop. This saves time and gives us valuable feedback for our further work. Tool approval takes place at our premises or at the customer's premises.







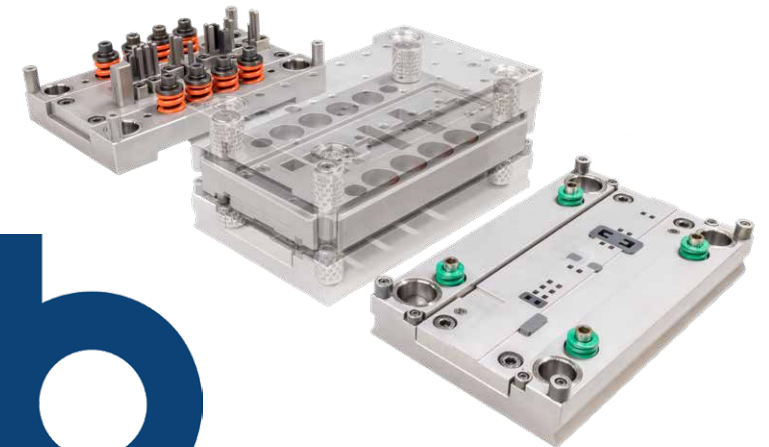
BIHLER-production lines

Bihler is one of the world's leading system suppliers of stamping, bending, welding and assembly technology.

As BIHLER partner, we have many years of experience with Bihler's production technologies.

We have been manufacturing tools for these systems for over 35 years: from the smallest stamping assembly to complete production lines with all existing process modules, such as resistance welding, laser welding, thread molding, screw assembly, ...

These systems can be tested on customer's own machines, as well as on our own stamping machines.



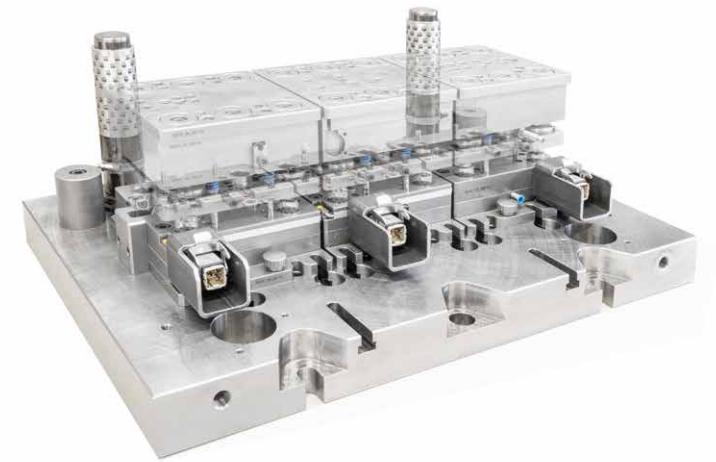
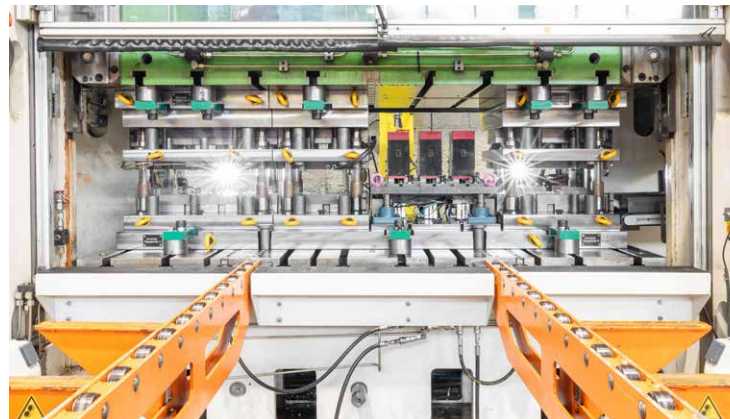


Progressive tools

We manufacture tools for stamping and bending parts, embossed parts for automatic punching machines, deep-drawn parts, parts with threads and assemblies with feed parts (bushes, rivets, etc.).

We manufacture tools for the processing of material strips in thicknesses from 0.1 mm to 5.00 mm in various materials (stainless steel, spring steel, structural steel, non-ferrous metals, coated materials, etc.).

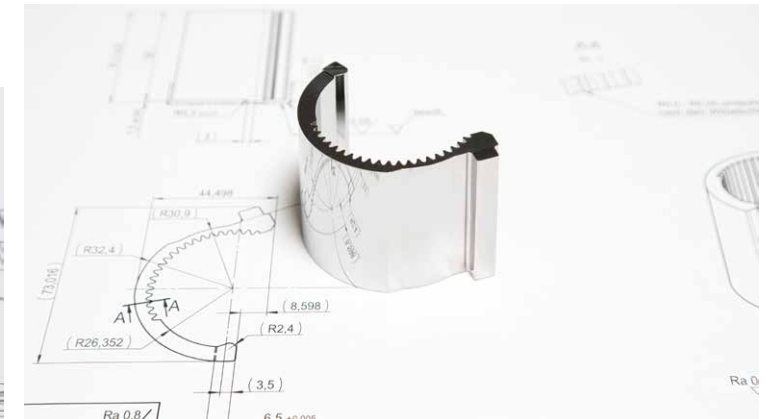
We can try out and optimize tools on our presses from 250 kN to 2500 kN.





Tool parts production

- Production of high-quality individual parts/spare parts according to customer drawings
- Use of state-of-the-art production technologies and materials
- External partners for heat treatment and coatings
- Vortex grinding to a surface roughness of Ra 0.05
- 5-axis HSC milling: cutter diameters from 0.2 mm, material hardness up to 70HRC and carbide milling
- Eroding of filigree round parts on rotary axes
- Reworking of used active parts incl. milling contours, coating, polishing





Machinery

- HSC milling: Kern Micro HD and 2x KERN Triton
- CNC milling: Deckel-Maho, Mikron
- CNC turning: Gildemeister NEF 400
- Surface grinding: 3x Amada Meister G3, Jung, ABA Z&B, Ziersch
- Wire EDM: 2 1x Fanuc
- Die-sink EDM: 2x Agie Charmilles / GF
- Laser marking: Trumpf Vectormark



Quality assurance and quality management

A functioning, practiced QM system is a guarantee for constant quality and transparent processes. For Wörgartner this means systematic work while considering environmental, legal and safety aspects. The company has been ISO 9001 certified since 1995 and ISO 14001 since 2007.

Testing equipment

- 3D measuring machines: Zeiss Contura and Zeiss O-Inspect
- 3D multi-sensor coordinate measuring machine: Nikon, Keyence
- Zwick tensile compression testing machine 100 kN
- Surface roughness gauge: Zeiss
- Material determination and coating thickness gauge: X-ray analysis FISCHERSCOPE
- Corrosion tester for salt spray tests: WEISS SC450





Sustainability

Wörgartner places great importance on sustainability and implements concrete measures to reduce its ecological footprint.

One third of the electricity consumption is now covered by the 700kWp photovoltaic system. Wörgartner also utilizes energy-saving building technology, such as ventilation with heat recovery, groundwater for cooling the building and machinery, and the use of waste heat for heating and hot water to utilize resources efficiently.





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