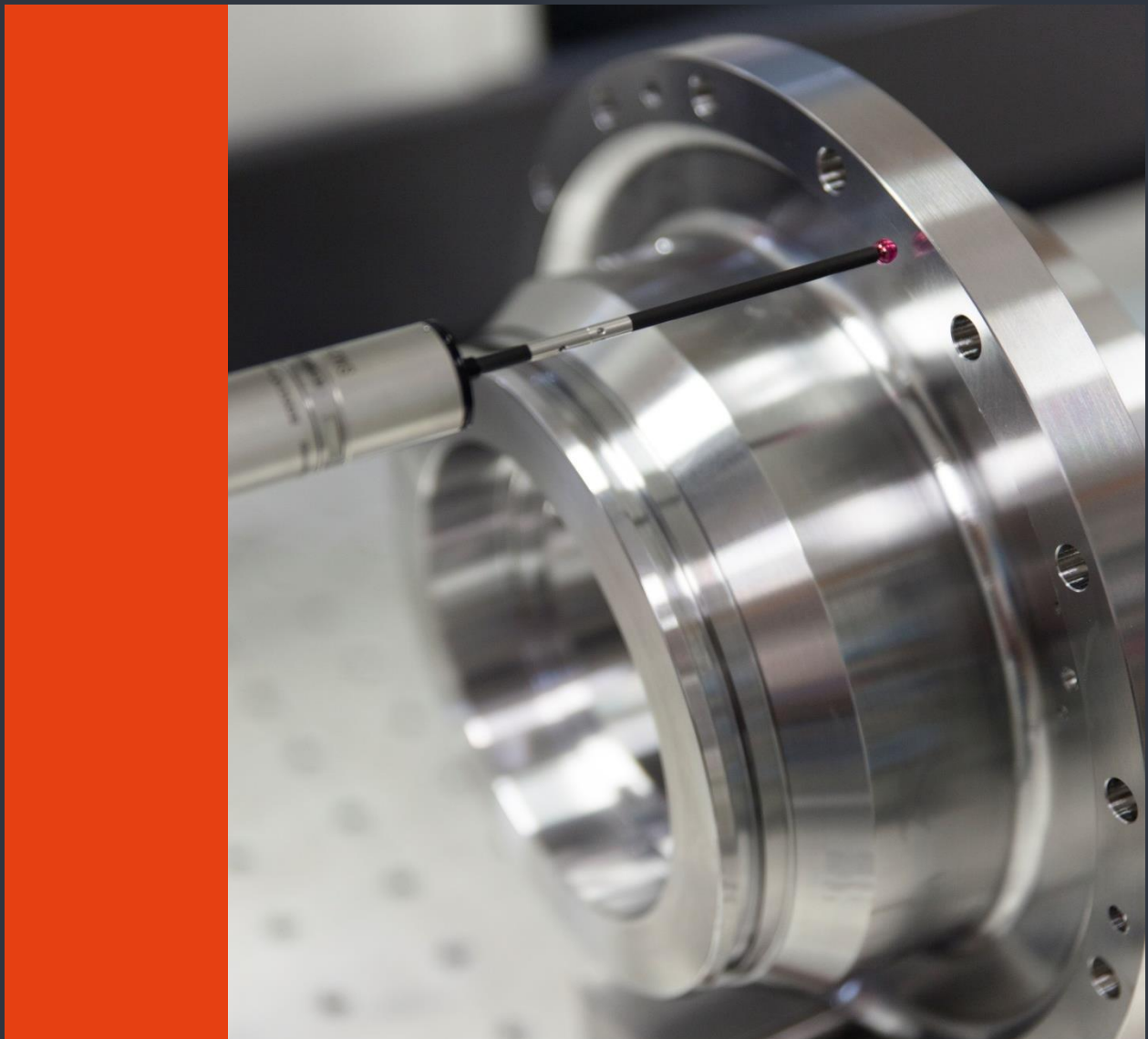




Just in Time

solutions

for the highest demands



## innovation - extrem

Superior and safe: on the ground and in the air

With the highest technical solutions and implementation knowledge, we are the leading experts in **aviation, plant and vehicle construction, mechanical and medical engineering**. We provide optimum quality, price and delivery service.

**Aerospace** is the synonym for the latest technologies, highest precision and perfection as well as highest quality standards.

In 2014 our quality management system was **certified to the AS/EN 9100 standard** as a clear commitment to fulfill these strict requirements and restrictions of the aerospace industry.

Complex CNC turning and milling parts up to highly safety-relevant components are part of our product portfolio for well-known customers.



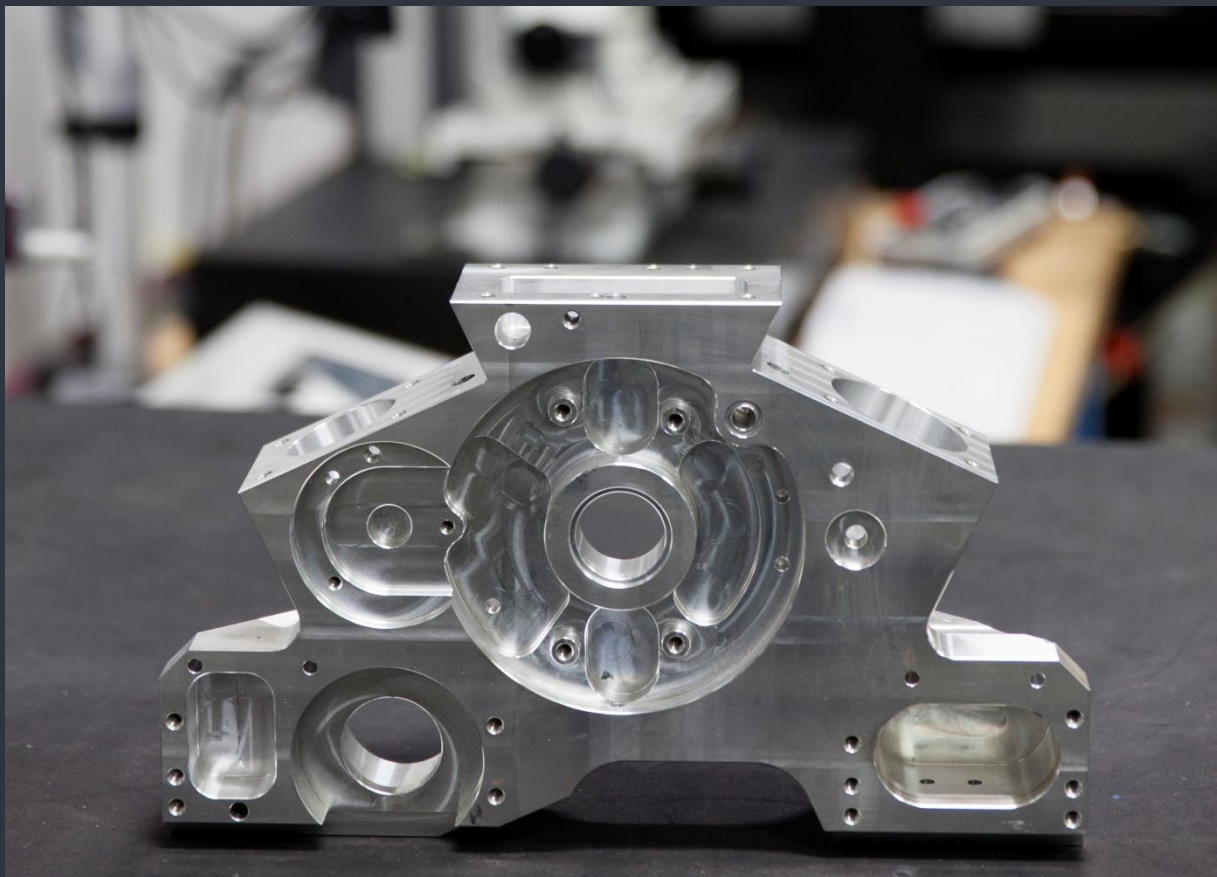
Your partner from prototype to series

**From the first product idea to the start of production:**

Tell us about your idea, we will help you with our expert knowledge to develop an optimized product solution: from support with the material determination, creating and testing of surface patterns, support in design to manufacturing, creation of 3D models from existing 2D drawings up to processing simulations.

**Serial production of complex CNC turning and milling parts**

We offer you a **wide range** of CNC milling and turning parts of the highest technical level. With our **unique automation concept** we can offer a strong partnership, which makes **just-in-time production** of serial parts with annual **quantities of 100 to 25,000 pieces** possible.





## ■ supply chain - extrem

### Supply chain management

**We can manage all required processes** from raw material procurement to surface treatment. Even **global sourcing** is possible. With our powerful **network of sub-suppliers** we will always find the best solution to fulfill your needs.

### Individual logistic solutions

Transport, motion, inventory - we help you to avoid this types of waste and develop **individually optimized logistic solutions**: Kanban connection, complete assembly sets, development of specific packaging concepts, preassembled components, handling of contracts, consignment stock delivery, connection to customer-specific supplier portals and much more.



## machine list (as of 2023)

### Milling shop:

**Hermle C20:** 5-Axis milling center, 120 tool magazine – HSK63, 600 x 450 x 450mm with robot loading

**Hermle C30:** 5-Axis milling center, 180 tool magazine – HSK63, 650 x 500 x 500mm with robot loading

**3x DMG DMC 65 H:** 4-Axis horizontal milling center, 180 tool magazine – HSK63, 700 x 700 x 700mm docked to linear storage

**DMG DMU 80 P:** 5-Axis milling center, 183 tool magazine – HSK63, 800 x 1.050 x 850mm with robot loading

**DMG DMU 125 U:** 5-Axis milling center, 180 tool magazine – HSK100, 1.250 x 1.000 x 1.000mm docked to linear storage

**DMG DMC 80 U:** 5-Axis milling center, 183 tool magazine – HSK63, 800 x 1.050 x 850mm docked to linear storage

**DMG Milltap 700:** 5- Axis milling center with robotic feeding unit

**2x GROB G550:** 5-Axis milling center, 260 tool magazine – HSK63, docked to linear storage

**DMG DMP70:** 5-Axis milling center with robotic feeding unit

### Turning shop:

**Emco 345:** with driven tools and bar loaders. Rod diameter 45mm, feeding parts 150mm

**Emco Maxxturn 65:** Counter spindle, Y axis, with driven tools and bar loaders. Rod diameter 65mm, feeding parts 250mm

**DMG GMX 250 linear:** 9-Axis, 50 tool magazine, counter spindle. Rod diameter 90mm, feeding parts 500mm

**Mazak INTEGREX i300s:** advanced multi-tasking machine, 72 tool magazine, counter spindle, Rod diameter 80mm, feeding parts 400mm

**Mazak INTEGREX i250H:** advanced multi-tasking machine, 112 tool magazine, counter spindle, Rod diameter 65mm, feeding parts 300mm

**DMG CTX2500/1250:** Counter spindle, Y axis, with driven tools and **CELLRO** robotic system.

Quality assurance:

**2x Mitutoyo Crysta APEX S:** coordinate measuring machine, measuring range 900x1.600x800mm

**ZEISS DuraMax:** coordinate measuring machine, measuring range 500x500x500mm

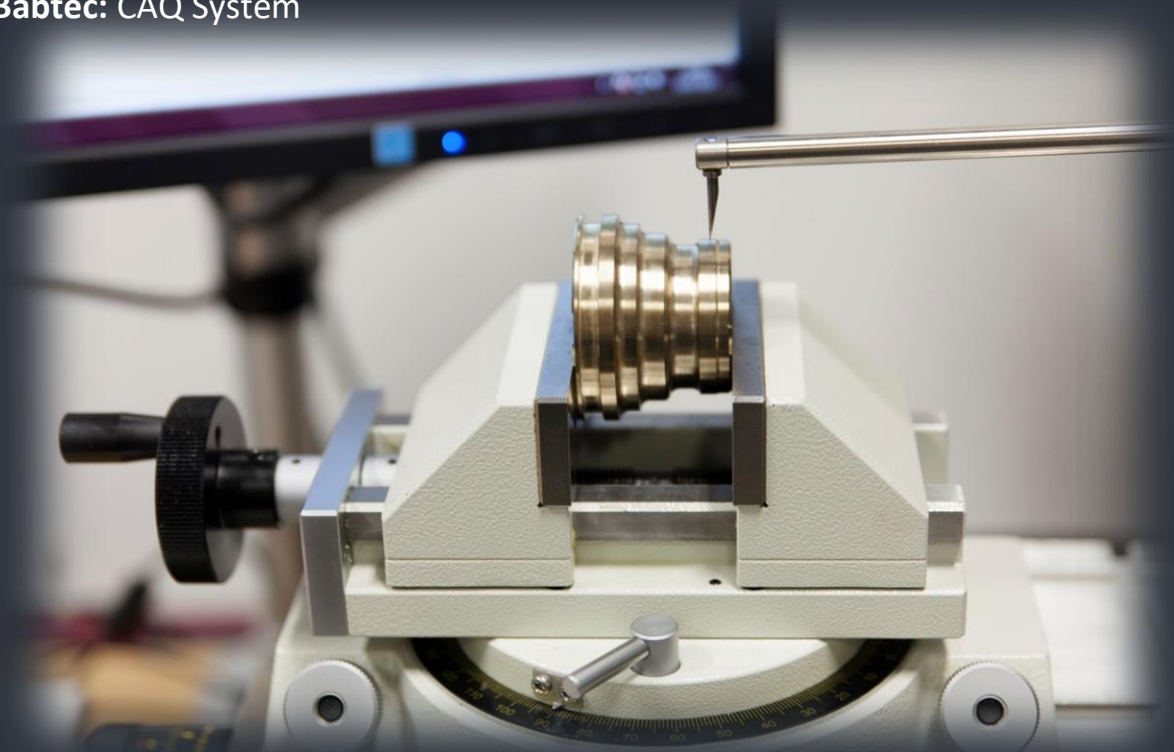
**Metzler Etalon Derby 454:** coordinate measuring machine, measuring range 400x500x400mm

**Mitutoyo Contracer CV-3200:** contour measuring system

**Mitutoyo Surface SJ-410:** surface measuring system

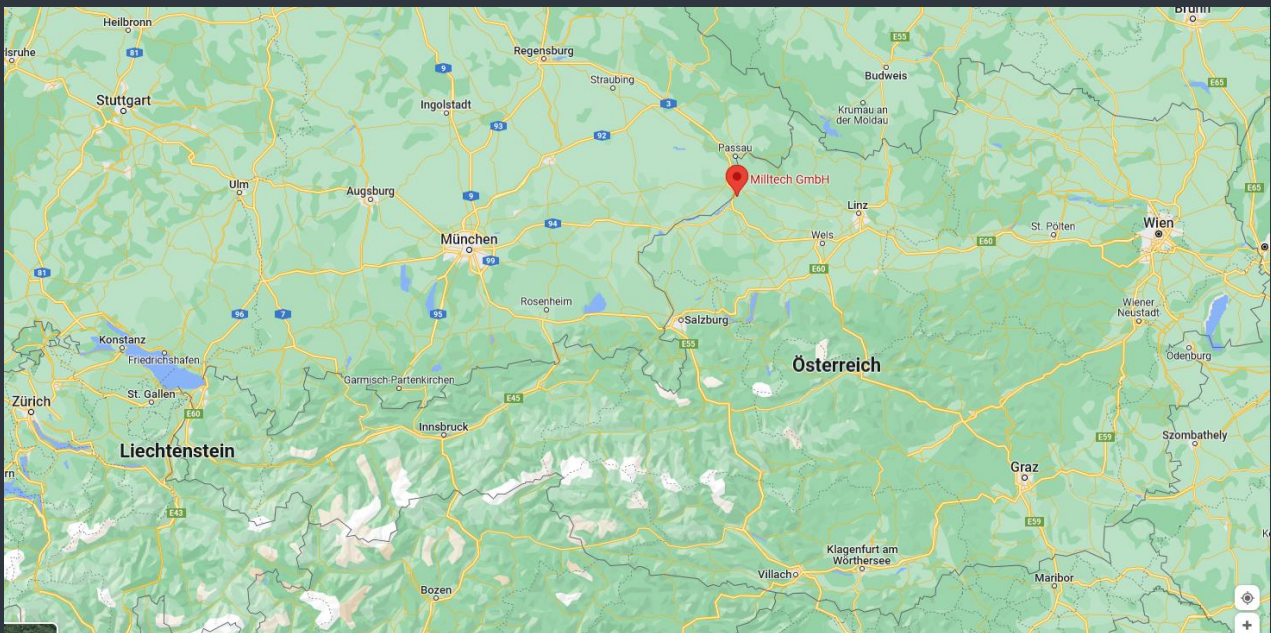
**Mitutoyo Surface SJ-420:** surface measuring system

**Babtec:** CAQ System





 contact



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