

REWAG

Passion for Precision Mechanics




Certified Quality Management System
according to ISO 9001 and EN 9100

Passion for Precision Mechanics

Precision Manufacturing
Industrial Metrology
Production Engineering
Additive Manufacturing

www.rewag.ch

High Quality Swiss Made 



CNC/CAM manufacturing for ambitious parts in highest precision.

Precision manufacturing has been one of our absolute core competencies since the company was founded. We have always mastered the highest quality requirements and time challenges with absolute reliability. When manufacturing components from various metals, titanium, Inconel, molybdenum, tungsten and many other special materials, we rely on state-of-the-art infrastructure and outstandingly qualified personnel.

Solution Development

As an experienced and competent partner to demanding industries, we offer comprehensive advice for the technical and economic production of complex components and assemblies.

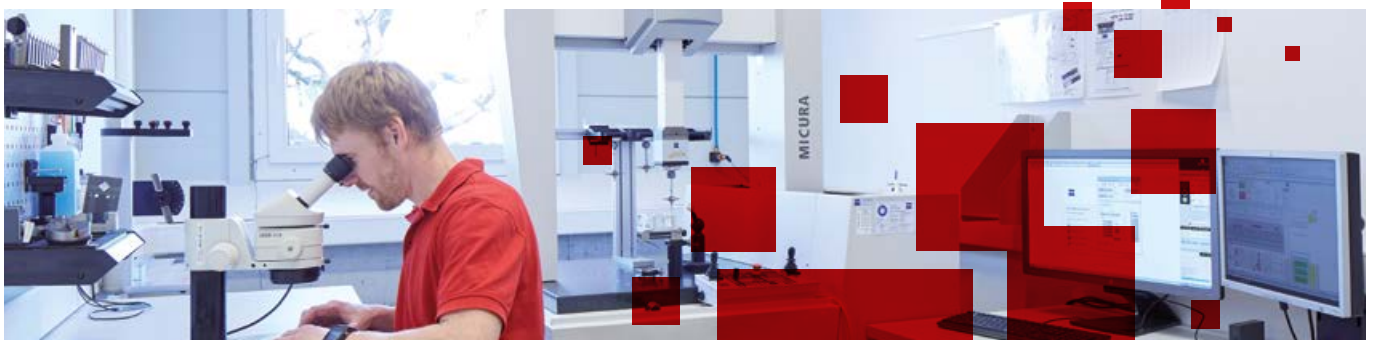
- Consulting for demanding complete solutions from design to finished part.
- Production-technical feasibility studies (production processes, manufacturability, choice of materials, tolerances and risk analysis).
- Cost optimization for economical mass production.

Our competence, services and technical possibilities with a zero-defect mentality.

Ambitious parts in geometry, tolerance and material.

- CNC/CAM manufacturing for multi-complex pieces of turn-mill complete machining and 5-axis simultaneous milling parts.
- Measuring and testing center for tactile and optical metrology with ZEISS Micura.
- Additive manufacturing of 3D metal printing with SLM (Selective Laser Melting) technology.
- Comprehensive technical advice from the design to the finished part.
- Important additional services like CNC sinking EDM, parts cleaner with ultrasonic, vapor degreasing and vacuum drying, lasermarking and many more.

High quality and
complexity
are our **specialty**



Precision mechanics in highest perfection with commitment and passion.

Wherever free-cutting material grades, complex outlines and tight tolerance are demanded we provide highest quality.

CNC Turn/Mill-Center



13-axis-CNC-turn/mill-center for highly complex parts up to 4 tools used simultaneously. Deep-hole drilling, Micro drilling, Long turned parts.

- up to Ø 32 mm production from 3 m bars
- up to Ø 45 mm production from 0.75 m bars
- up to Ø 160 mm chuck-clamped parts
- Micro drilling from Ø 0.3 mm

CNC Milling-Center



6-axis-CNC-milling-center for complex geometry in highest precision, efficient thanks to the rational palette-handling and work piece administrative department.

- Milling work pieces up to 6-axis-machining
- 5-axis simultaneous milling
- U-axis for valve seating, sealing face, complex turning contour
- Spindle rotation 28'000 rpm / 63 Nm
- Tool magazine for 210 tools, pallet changer for 80 pallets (24/7 production)
- Size of pieces 300/300/300 simultaneous, interference circle diameter of 600 mm

Industrial Metrology with ZEISS Micra



Our modern measuring and testing center makes it possible to carry out high-volume test measurements to the highest test specifications, with accuracy of $< 1 \mu\text{m}$ in temperature controlled conditions ($20^\circ\text{C} \pm 0.5^\circ\text{C}$). All measurement data are recorded.

- 3D Coordinate Measuring Machine ZEISS Micra, X/Y/Z 500/500/500, Accuracy $0.7\mu\text{m} + L/400$
- Video-measurement viewer, enlargement 200-fold
- DXF-comparative measurement, height gages up to 300 mm
- Statistical evaluation CPK, CMK, MSA

Additive Manufacturing



Competent solution provider for medium and large series in additive manufacturing of metal parts using SLM (Selective Laser Melting) technology.

As a system provider, we offer you technology consulting, product design and the production of sophisticated additive components for various industries, including medical technology and aviation, from a single source.

- Economic manufacturing of multi-complex geometries (complexity for free)
- Redesign: weight reduction, new functions (e.g. cooling channel)
- Lead-time reduction (prototyping)
- Material: Cobalt-Chrome (CoCr), Aluminum (AlSi10Mg), Inconel (IN718) and Titanium (Ti6Al4V Gd. 23)

REWAG takes off.

We are certified according to **EN 9100** for aviation, space and defence.

With this certification, we have once again significantly sharpened our performance profile in terms of quality, delivery readiness and cost efficiency. As a supplier of products and services for precision mechanical manufacturing, we have thus qualified ourselves for a further demanding clientele.

With joy and ambition we face this challenge – true to our company motto:

«Passion for Precision Mechanics»



Swiss Quality

REWAG Feinmechanik AG is **ISO 9001** and **EN 9100** certified. We comply with a tight quality system in all processes and monitoring. Thereby we focus on traceability of sequences of production processes and badge-identification.

We are an experienced and competent partner of various industries and offer our clients sophisticated complete solutions with the highest quality and delivery reliability.

Our reliable technology partners



The best for our customers – with commitment and passion.



René Thoma
Owner & CEO



Thomas Egli
Director Market & Technology



New modern fully temperature controlled factory with heat recovery system



Passion for Precision Mechanics

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