

Max Schilling AG

**Manufacturing of High-End Precision Parts
since 1985**

Contact

Max Schilling AG
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Website

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Our organization

Max Schilling AG combines state-of-the-art technology with more than 35 years of experience in the manufacture of highest-quality products. Since the company's formation in 1985 we have continuously been investing in modern cutting technologies and in the training of our long-standing and highly qualified employees. Max Schilling AG is certified according to ISO 9001.



Max Schilling AG

- Large components, series production, assembly
- 3-5-axis technologie.
- Total 32 employees



Präzise Mechanik AG

- Prototyping, first series, engineering
- Total 4 employees



ODT Technology

- Project management, Procurement management
- Lean production
- Total 3 employees

New production site

- Our new production site in Mollis GL has been in operation since August 2022.
- 32,300 square foot (3'000 square meter) facility.
- An outstanding building envelope combined with controlled air exchange guarantees a pleasant room climate.



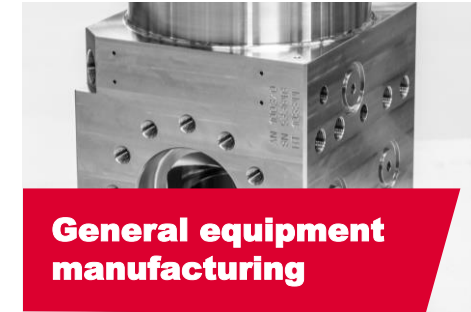
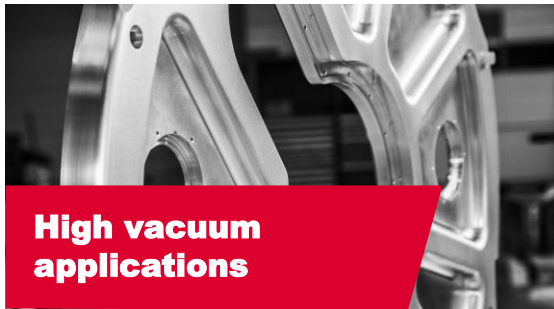
Latest news

- We are pleased to start the new year 2023 with the commissioning of three Quaser MV 184 vertical 3-axis machining centres.



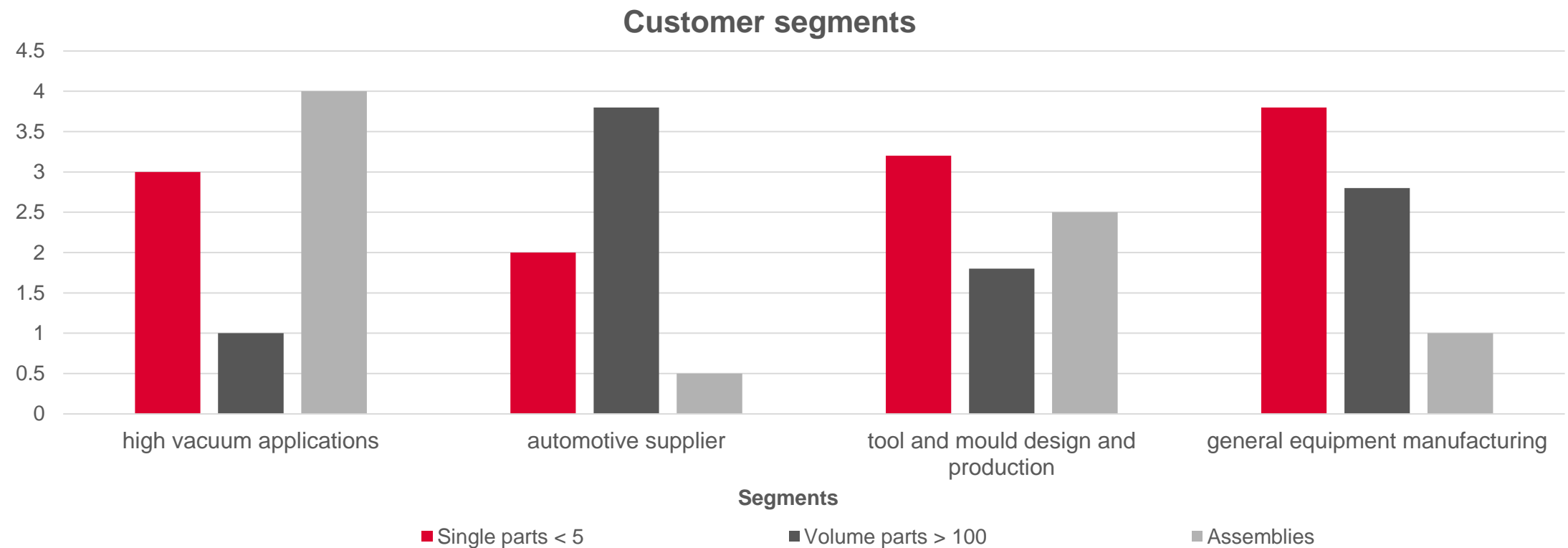
Our customer segments

Thanks to our long years of experience and specialized competence, we are a responsive and reliable partner for our customers.



Our customer segments

We supply single and volume parts and assemblies in the following industrial segments.



Quality management

The QM system pursuant to ISO 9001 is in line with the requirements of applicable international standards.



Quality control in the manufacturing of parts

We take quality seriously.

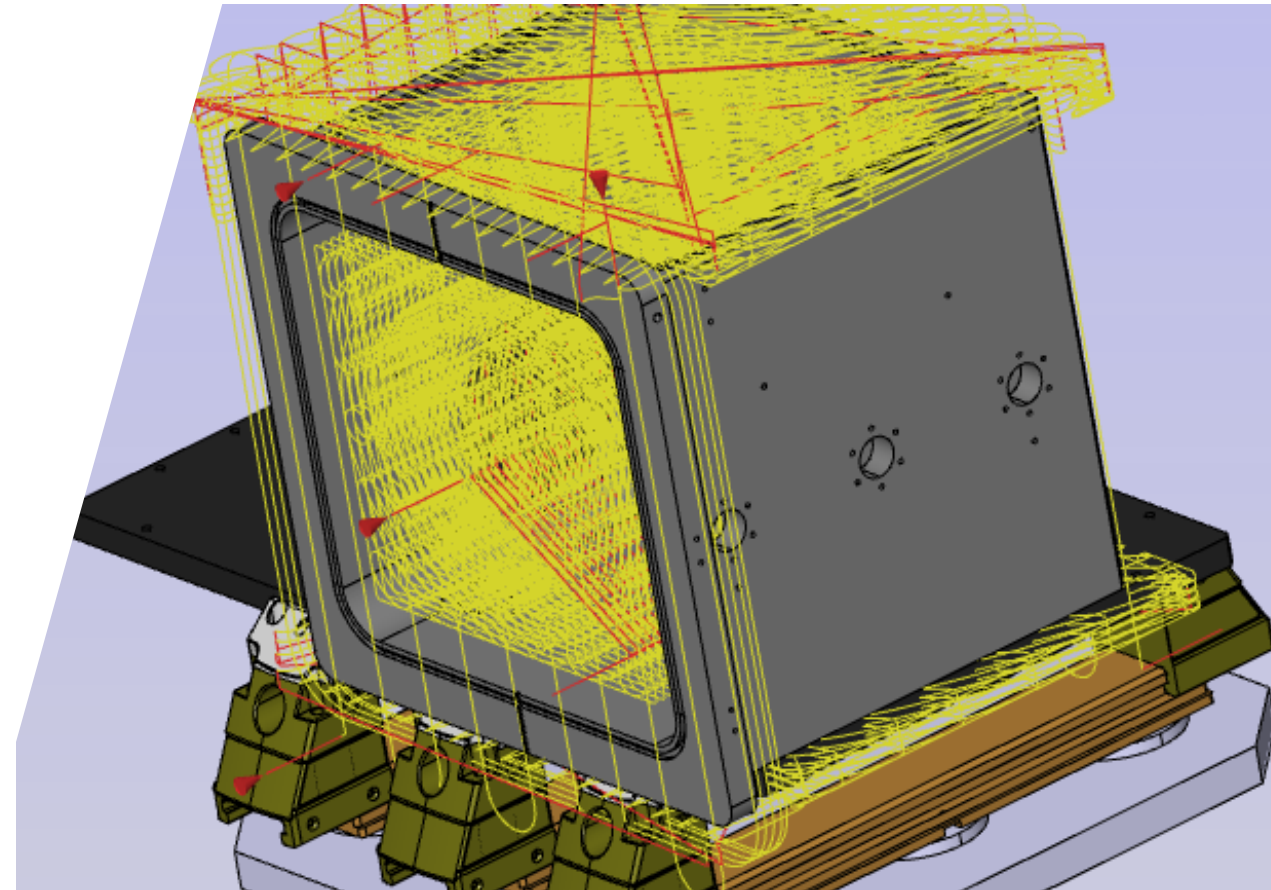
- Staff skills, training, and experience
- Tracking of workflow throughout manufacturing
- The QM system pursuant to ISO 9001 is in line with the requirements of applicable international standards.
- We offer:
 - Final inspection and sampling plans on request
 - First article inspection
 - Material certificates on request



CAD / CAM / IT Data Security

Engineering, we support you.

- We work with **Solid Work CAD** (total 4 work stations)
- Latest **Hypermill CAM system** in use (all CNC machines)
- **Imnoo**, the AI-based quoting-app for on-demand manufacturers = fast and reliable quotes
- IT data security:
 - **MOUNT10**, our long-term data retention, cloud backups, disaster recovery and file sharing.
 - Our promise: your data stays in Switzerland. Safe in the most secure data centre in Europe.

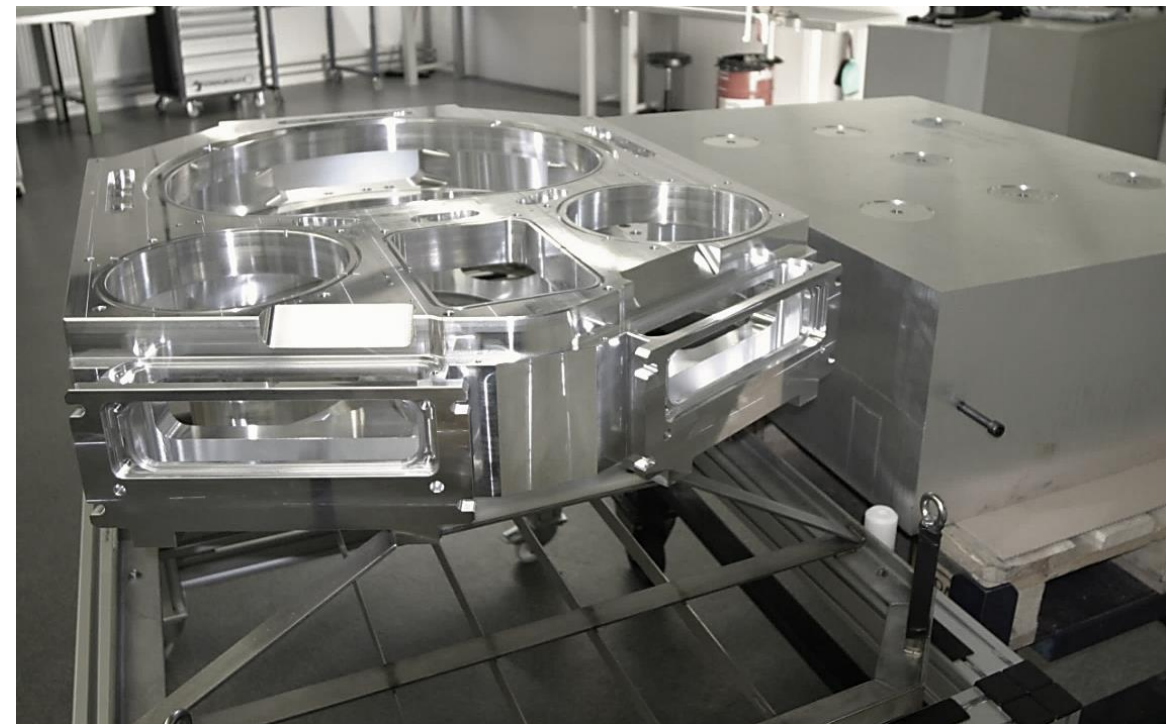


High-End aluminum components

- A stable, low-vibrations milling process which creates a platform for increased tool service lives and thus greater productivity.

- High vacuum aluminum chamber produced with high speed cutting technology.
- Fine super finishing for the high demand of semiconductor process vacuum application.

Five-axis simultaneous machining



Production capacities

- Aluminum is mainly used in the high vacuum range, usually as an alloy.

- 5-axis machining center - universal and precise CNC machining up to (1100mm x 1100 mm)



Production capacities

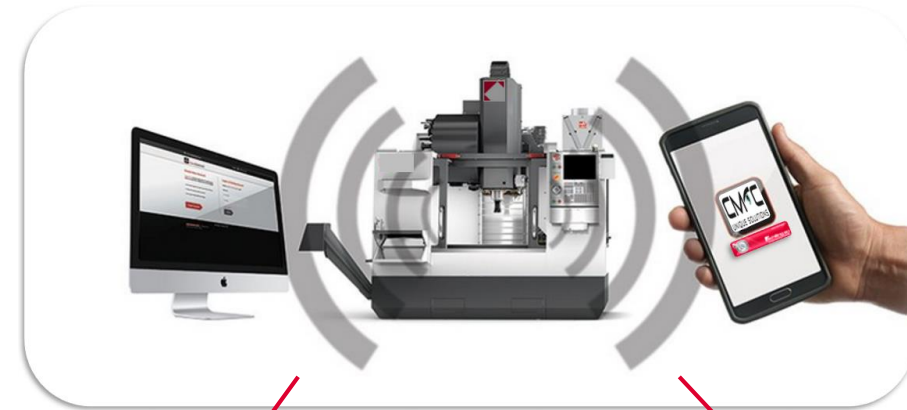
- On our modern machinery we process almost all materials, milling up to ø 23,6 Inch (600mm):
 - Steel
 - Non-ferrous metals
 - Stainless steel
 - Aluminum alloys
 - Aluminum castings
 - Special polymers, PEEK etc.
 - All plastics



Production capacities

Night shift production.

- Remote machine monitoring system that provides instant alerts for machine status via email.



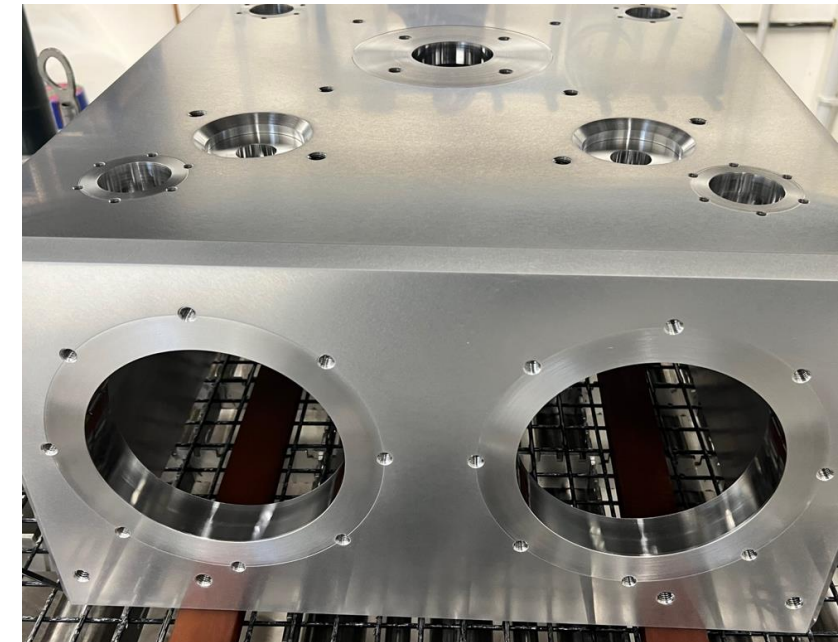
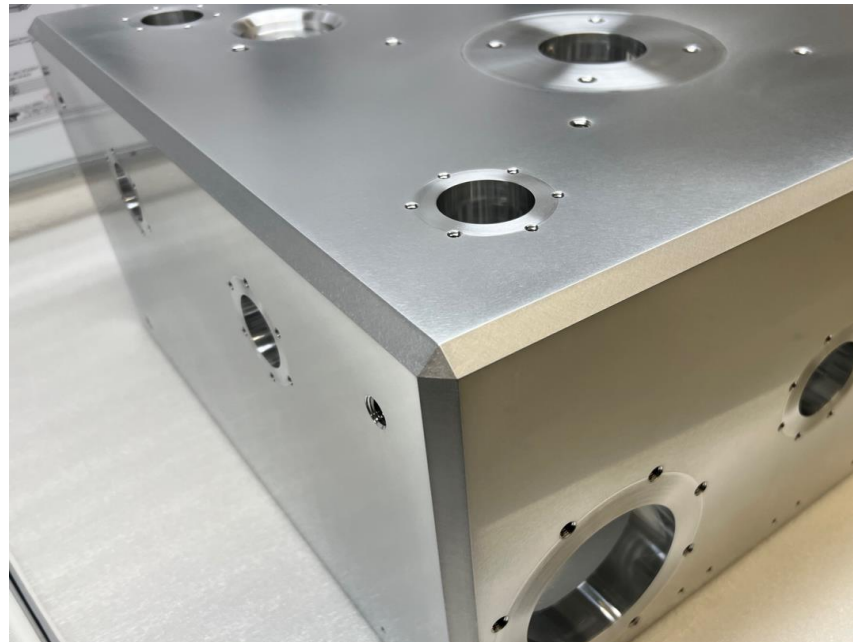
Fine cleaning

- External partner for cleaning equipment for big vacuum components (3 step cleaning with drying).
- In house cleaning for smaller parts.



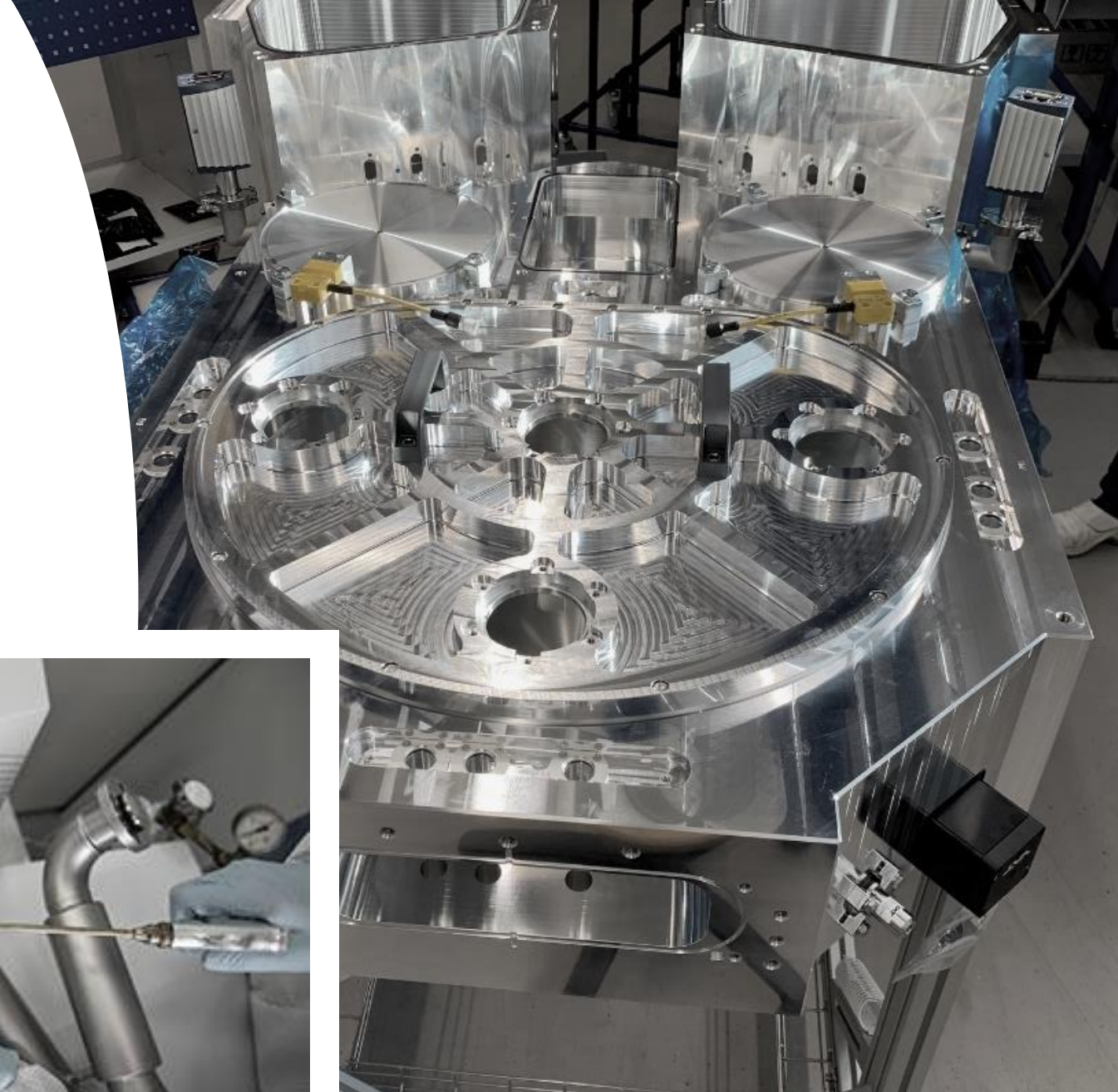
Customized surface solutions

- Different surface finishes as mill finish, blasted, grained, e-polishing including sealing surface polishing.
- Fine super finishing for the high demand of semiconductor high vacuum application.



Assemblies and testing

- Partial assembly including leak testing and procurement of all supplementary standard parts.



Sample assemblies

- Pre-assemblies of a vacuum system with documentation and helium testing.



Welding

- Our welding work is performed with MIG, MAG, TIG, metals such as aluminium, any type of stainless and medical-grade steel.
- Our experienced welding engineers also perform repair work. Even urgent repairs can be done at short notice in-house or on the customer's premises.



Swiss made – Swiss quality



Rely on us and benefit from our long years of experience!

THANK YOU.

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