



SWACRIT
systems



01

COMPANY of the
C. Swarovski group

03

Production sites

35,5

MILL EURO
turnover (2024)

218

Employees
(2025)

30

YEARS OF EXPERIENCE with complex
mechanical composite assemblies and
high-precision components

CORPORATE GROUP



Ein A company of the C. SWAROVSKI Group



EMPLOYEES: approx. 218
TURNOVER 2024: 35.5 MEUR
LOCATIONS: 3



EMPLOYEES: approx. 210
TURNOVER 2024: 23.1 MEUR
LOCATIONS: 2





EXPANSION OF THE COMPETENCE PROFILE



Joining technology

Heat treatment

Mechanical processing

Surface treatment

Cleaning

Clean room assembly

Quality assurance

Powder preparation and sintering

Hard machining

Metallizing & galvanizing oxide ceramics

High vacuum brazing

Additive manufacturing of oxide ceramics

R&D in the field of technical ceramics



High-precision solutions are produced for ...



High-tech-Industries: Semiconductor/Vacuum lithography deposition, etching, bonding, advanced packaging, metrology



Analytics, Instrumentation, Research
Microscopy, spectrometry, X-rays



Medical Technology
Active implants, prostheses, surgical tools



Energy, Medical Technology, Semiconductors, Analytical Instruments
Thyristor housings, XR tubes, eBeam deflectors



OUR BUSINESS AREAS

SEMICONDUCTOR

ANALYTICS

MEDICAL

GENERAL
HIGHTECH





OUR CORE PRODUCTS

MORE THAN 25 YEARS OF EXPERIENCE IN THE HIGH-TECH INDUSTRY

- Chucks and substrate holders
- Cooling/heating systems
- Bushings (metal/metal, metal/ceramic)
- Valves (complete, parts)
- Chambers (complete, parts)
- Metal mirrors (optics)
- Electron/ion beam systems
- Drives (complete)
- Components for medical implants
- Surgical instruments
- Components for prostheses



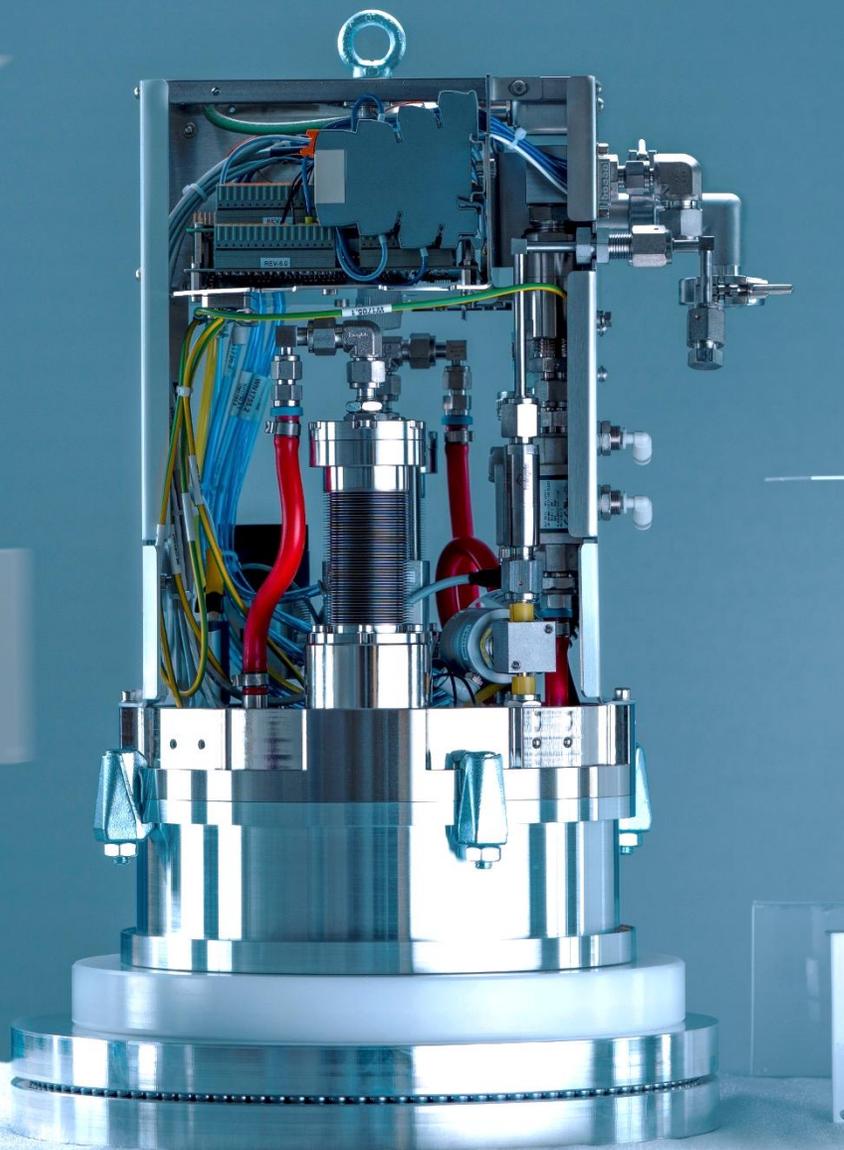
ENGINEERING AND PROJECT MANAGEMENT

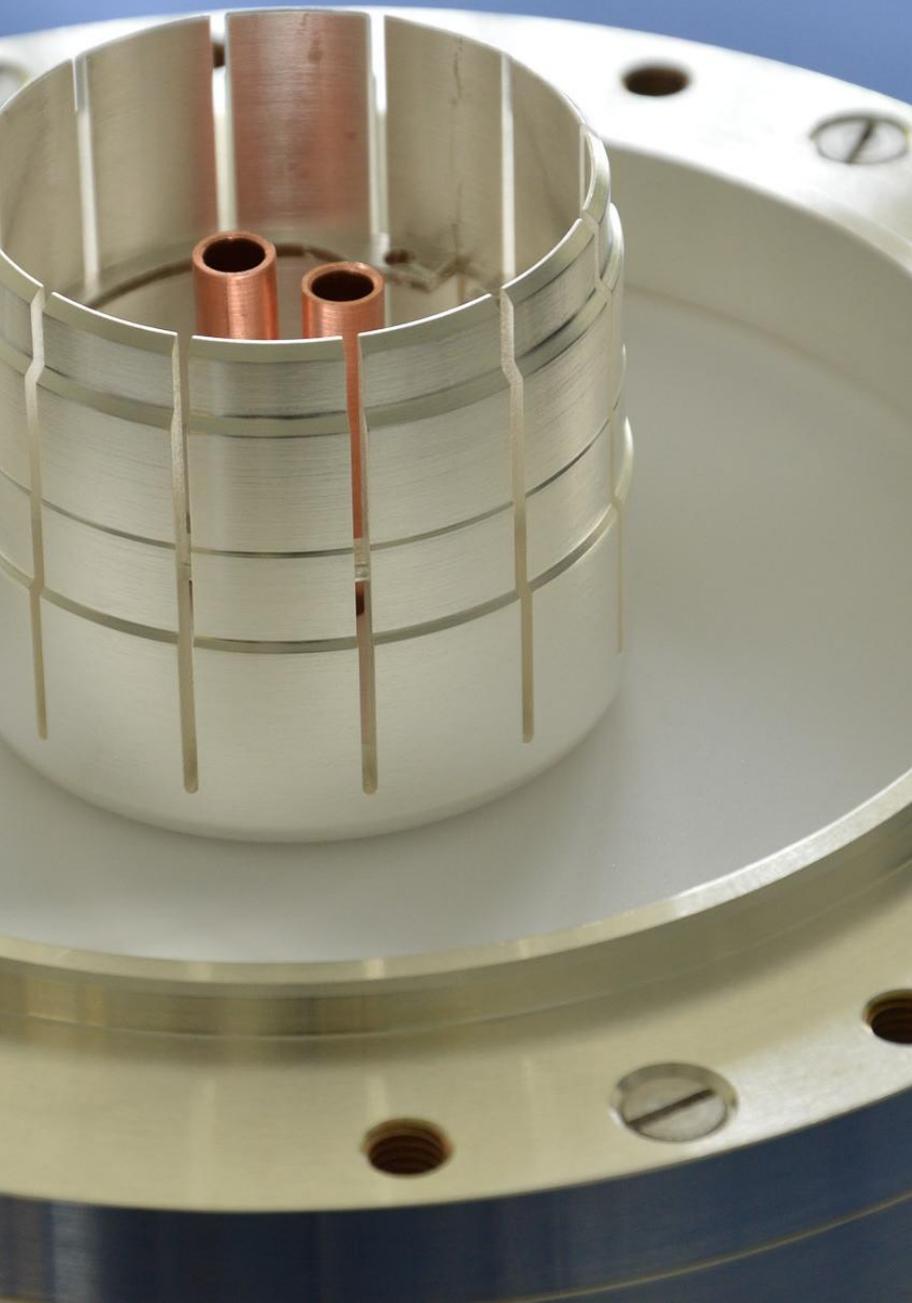
- R&D and engineering support, from prototype to series production
- Process development and customer support for technical problem solutions
- Design engineering for the creation of drawings
- Technical project management
- Quality planning and risk management
- Transparent communication and comprehensive documentation
- Continuous process and product optimization



SYSTEM TECHNOLOGIES

BECAUSE GOOD SYSTEMS
SHAPE THE FUTURE





JOINING TECHNOLOGIES

Vacuum brazing (Metal/Metal,
Metal/Ceramics)
Welding (WIG, Laser, E-Beam)
Gluing

LEACK-CHECK

- Helium
- Water
- Pressure Tests

CLEANING

- fully automated single chamber 3 cleaning baths ultrasonic cleaning system
- Coarse cleaning
- Plasma cleaning

CLEAN ROOM ASSEMBLY

- 550 m² Clean room ISO 7 according to ISO 14644-1
- 270 m² Clean room according to VDA19.2
- 1000 m² Clean room ISO 6 gemäß ISO 14644-1
- 200 m² Clean room ISO 8

VACUUM HEAT TREATMENT

- Tempering
- Removal of tempering colors
- Magnetic final annealing or restoration of the basic magnetic state



SURFACE TREATMENT

- Polishing machines for seal faces
- Glass bead / Corundum blasting
- Trovalising, Passivation
- Electropolishing
- Electroplating
- Customer specific solutions

HIGH-PRECISION MACHINING

- milling machines (5-axes)
- turning machines
- turning-milling centers
- Eroding-, Grinding- & Lapping-machines
- Automated high-precision machines
- High-vacuum brazing furnaces
- Cleaning systems up to particle purity in accordance with ISO 14644-9

QUALITY ASSURANCE

- 4 3D-CMM, 5 He-leck Erkennung
- EN ISO 9001, EN ISO 13485, EN ISO 9100





MORE SPACE FOR INNOVATION

CONSTRUCTION OF THE NEW PRODUCTION FACILITY IN NASSEREITH

4.800 m²

DEVELOPED AREA

1.300 m²

PRECISION MANUFACTURING WITH QS

900 m²

JOINING TECHNOLOGY AND CLEANING

1.000 m²

CLEAN ROOM ISO 6 ACCORDING TO ISO 14644-1

200 m²

CLEAN ROOM ISO 8

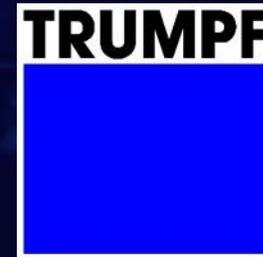
BUILDING EXTENSION IN HALL IN TIROL

800 m²

EXTENSION OF PRODUCTION BUILDING



Selected References



ENGINEERING TOMORROW'S WORLD.

How can we support you?

Please contact us:

+43 504580 – 0

info@swacritsystems.com

Florian Dierigl

+43 6648415511

florian.dierigl@swacritsystems.com



SWACRIT
systems