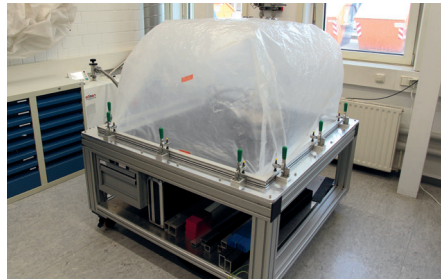


PRESSURE AND TIGHTNESS TESTING

SEALED TIGHT, TESTED RIGHT - IN EVERY CONDITION

- EXPERIENCE OF TESTING OF SPACE AND INDUSTRY COMPONENTS
- A WIDE RANGE OF PRESSURE CONDITIONS
- VARIOUS LEAKAGE MEASUREMENT METHODOLOGIES
- TESTING UNDER VARIOUS THERMAL CONDITIONS
- HIGH REPRODUCIBILITY AND QUALITY WITH CERTIFIED OPERATORS OR AUTOMATED SYSTEMS

ArianeGroup offers a wide range of pressure and tightness tests at its Ottobrunn site. The teams combine **outstanding expertise gained from more than 40 years of experience** providing these services at the site with the use of state-of-the-art automated equipment. The services include pressure and tightness testing in a wide range of environmental conditions, and cryogenic mechanical testing down to 4 K (-269 °C) for materials characterization and more...



Tightness Testing

Temperature range

- › between 4 K (-269 °C) and 293 K (20 °C)

Certified operators

- › **Certified leakage test operators LT-1 to LT-3** (acc. to DGZFP – Deutsche Gesellschaft für zerstörungsfreie Prüfung)

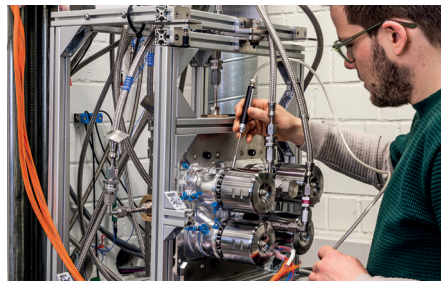
Automated systems

- › **Efficiency and reproducibility** due to automated test preparation and also local leakage sniffing method

Certified methods

Application of various certified methods:

- › Air bubble testing in water bath
- › “Snoop” Method
- › Integral tightness testing method
- › Local leakage measurement with He-Probe



Pressure Testing

Various Media

- › **Dionized water, oil, gaseous nitrogen, gaseous helium**

Maximum Pressure

- › Gaseous media (Helium / Nitrogen) **up to max 600 bar** or liquid medium (dionized water / oil) **up to max 1000 bar**

Safety first

- › **Pressure bunker and safety shields** to ensure people and infrastructure safety

A UNIQUE EXPERTISE TO MEET OUR CUSTOMERS' NEEDS

On top of mastering complex programme in space and defence industry, ArianeGroup offers reliable solutions to its customers thanks to unique competencies in testing in wide range of environmental condition and requirements under safe condition.

CONTACT
Jan ALTING
jan.alting@ariane.group

INFORMATION
www.ariane.group