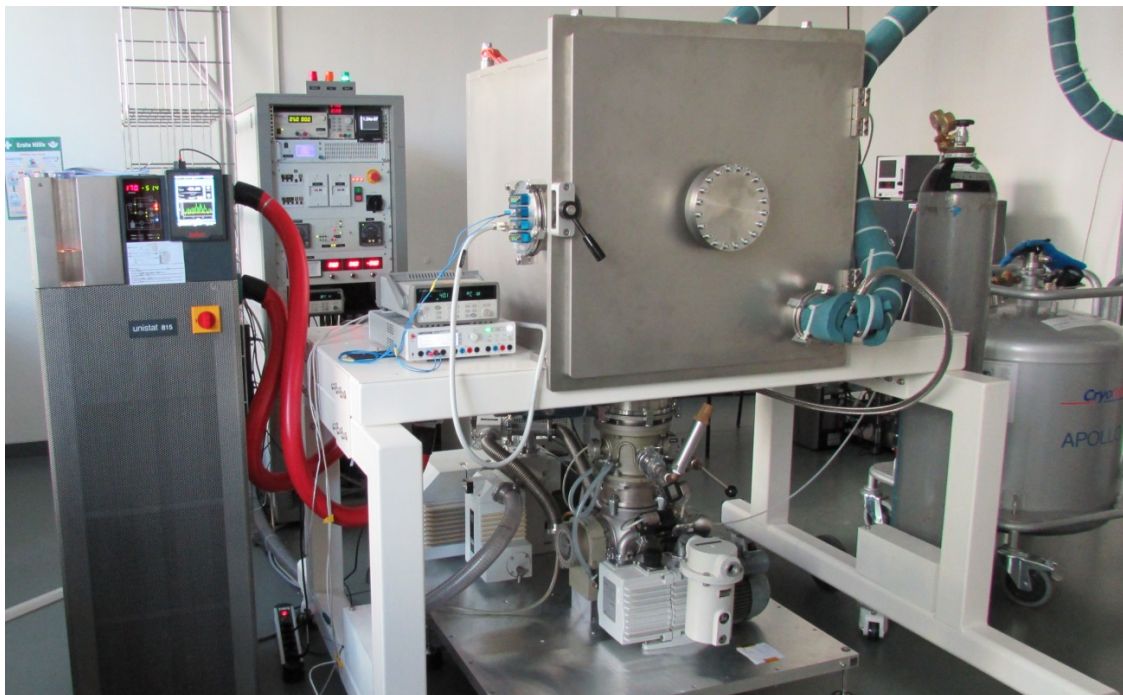


MTVAC Thermal Vacuum Chamber

A cost-effective Thermal High-vacuum Chamber for testing and qualification of nano and microsattellites and space equipment, located at Sonaca Space facilities in Berlin Adlershof.

- Thermal control via oil circulator, LN2 and heaters
- Double-circuit copper shroud, black coated
- Fully extractable aluminium cold plate
- Turbomolecular pump system for high-vacuum performance

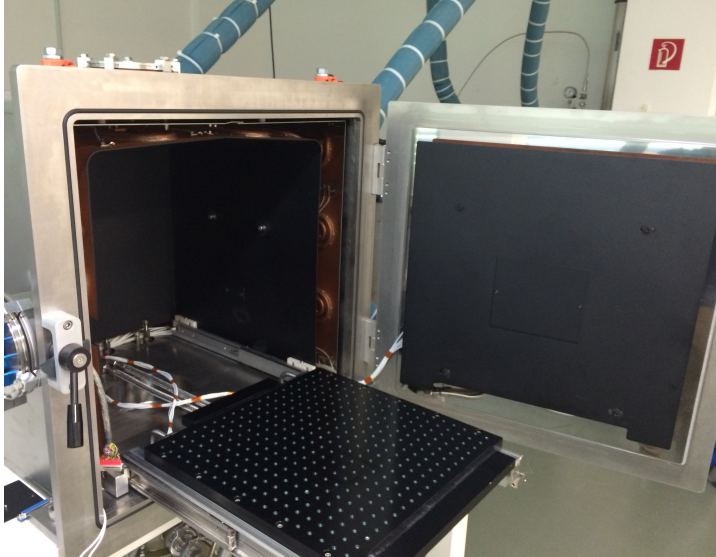


MTVAC Facility

Specifications:

Usable volume:	500 x 500 x 500 [mm ³]
Vacuum level:	< 10E-6 mbar
Temperature range in oil circulator operation:	-70 to 150°C
Temperature range in LN2 operation:	-170°C to 200°C
Heating power:	Up to 6kW
Electrical feedthrough available for user:	4 x 50 pin Sub-D
Mechanical Interfaces:	6 x M8 internal hoisting points M6 hole pattern on Cold plate (25mm raster)

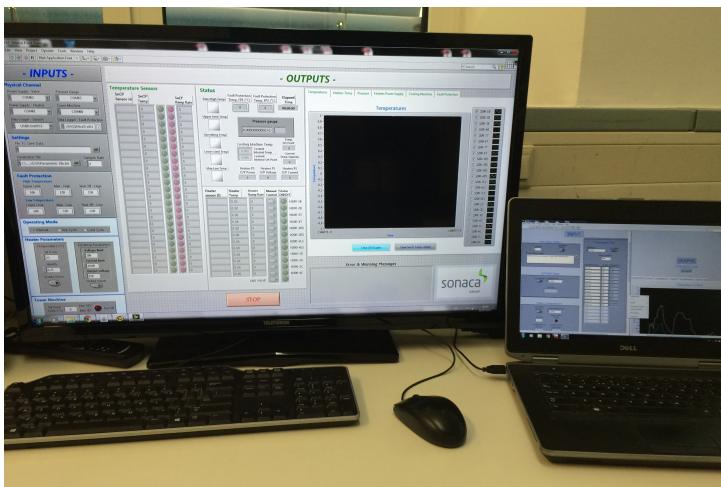
Ideally sized vacuum chamber for testing of Nano and Microsatellites



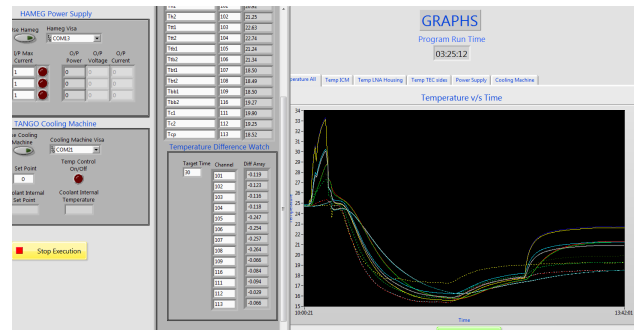
Fully extractable cold plate



4 x 50 pin Sub-D for user



Housekeeping, Control and Data Acquisition system



CUSTOMERS AND PARTNERS

ESA, DLR, Thales Alenia Space, AIRBUS D&S, OHB, TNO

SOFTWARE AND OTHER FACILITIES

- ESATAN-TMS, Thermal Desktop, StarCCM+, Thermica, Hyperworks, LabView
- Thermal cycling chamber (0.30mX0.39mX0.25m)

LOCATION:

Sonaca Space GmbH, SONACA GROUP
Berlin - Germany

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