Space heritage

The exceptional conditions in space require high demands on the products and their engineers.

We meet the requirements of our customers with our know-how. Beyond that our fascination of the universe and curiosity to gain new perspectives enable high-quality products.

Attitude and orbit control sensors for satellites and spacecrafts

Our Portfolio comprises precise and robust sensors for state-of-the-art AOCS to ensure stable performance of satellites:

- Star Sensors/Star Tracker (ASTRO® product family)
- Rendezvous- and Docking Sensors (product family RVS®)

with a broad application range from LEO to GEO orbit: Constellation – Earth Observation – Space Transportation – GEO Telecom – Deep Space and Science.

Sun Sensors are no longer part of our product portfolio.

Space optics and electronics for Earth observation satellites

With the development of the multi-spectral imagers for RapidEye Jena-Optronik successfully entered the market of satellite-based Earth observation Instruments enabling us to become a member of the core teams of Sentinel-2, Sentinel-3, Sentinel-4 and Sentinel-5 within the European Earth observation program COPERNICUS.

COPERNICUS continuously observing the global changes - contributions from Jena:

- Electronics and optical filter for Sentinel-2 - objectives: land monitoring
- Opto-mechanical structure, subsystems, telescope and scan systems of for Sentinel-3 - objectives: marine observation
- Optics for Sentinel-4 - objectives: air quality monitoring
- Optics and filter for Sentinel-5 - objectives: air quality Monitoring

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Space exploration

The Jena-based company develops components and systems to explore the solar system and planets:

- Instrument for the NASA Fermi Mission (former GLAST)
- Components of the camera HRSC for ESA's Mars Express
- Anticoincidence System ACS for INTEGRAL (ESA Mission)
- Instrument Processing Facilities for ENVISAT and EPS instruments
- Re-entry capsule MIRKA
- Contingents for the ROLIS camera within Rosetta Mission
- Earth-Observation camera MOMS-2P for Mir space stations
- Laser Scanner for EXOMars/Mars Sample Return
- Scientific Small Satellite CHAMP