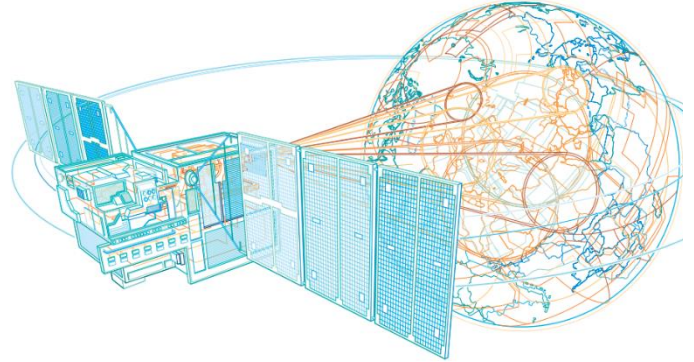


Aartech GmbH – Swiss Manufacturing Experts

Manufacturing excellence for the Aerospace Industry

Aartech, a former entity of ABB Full Service and Quant, offers a wide range of products and services for the space and aerospace industry. Our strengths are in engineering and manufacturing of prototypes, pre-finished assemblies, tools & fixtures and production of machined precision parts and sheet metal applications.

Below you will find an overview of our wide product range in the field of aerospace and space flight as well as our main services.



Structural parts and mechanisms

- Machined structural components up to 1.5 meters length
- High precision machined parts for satellite mechanisms
- Sub-assemblies including sheet metal and machined parts
- Pre-assembled structures and devices for satellites and aircrafts

Components for jet engines and gas turbines

- Turbine combustors, hot gas path components, air guiding panels
- Machining of vanes and blades, blade assembling parts (eg. locks and shims), diffusers, heat shields,
- Retrofit of gas turbine blades and heat shields (honeycomb seals removing and re-soldering including quality certification)
- Full or partial machining of compressor blades

Manufacturing & Workshop Equipment

- Engineering, manufacturing and commissioning of special machines
- Customized measurement and Inspection tooling's
- Assembly equipment of all kinds for satellites and aircrafts
- Press molds for all kinds of glass and carbon fiber components
- Test equipment for pressure tests and flow measurements tests
- Engineering and manufacturing of grinding, milling, EDM and assembly fixtures for turbine blades manufacturing.

Wide range of in-house manufacturing processes

- Machining (CNC milling / turning / grinding)
- Sinking EDM and wire EDM processing
- Assembly and Service Department
- Air controlled and conditioned assembly room
- Electrical-, pneumatic- and hydraulic assembly operations
- Construction and metalworking shop, hand and robot welding
- Sheet metal working (laser cutting, punching, bending, roll-bending, deep drawing, including assembly operations)
- Tool Sharpening Service (Punching and cutting tools)
- Heat treatment (annealing, tempering, nitriding, vacuum brazing, aluminum heat treatment)
- Surface treatments such as galvanizing and color treatments

Additional Services

- Own design department (Solidworks)
- Professionals in purchasing and order management
- Strategic spare parts service according agreement
- Expedited spare parts manufacturing and overhaul
- Years of experience with just in time supply agreements
- Export packaging department at the plant
- Worldwide delivery including transportation and customs clearance.

Material Experience

- Aluminum, copper alloys, titanium, nickel-based alloys such as Hastelloy X, Inconel, Nimonic, Invar, plastics
- Machining of precision castings and forgings
- Machining of metallic SLM parts

Project Management & Logistics

Own engineering & design department (Solid Wors)

- Professional purchasing and order management
- Strategic spare parts service
- Years of experience with Just In Time supply agreements
- Export packaging department at the plant
- Worldwide delivery including transportation and customs clearance.

Quality Assurance & Certification

- ISO 9001:2015 Quality Management System
- ISO 14001:2015 Environmental Management System
- Work safety and Health Management System
- Re-stamping process for raw materials incl. 3.1 certificates
- Experienced with quality documentation according customer specifications FATR, FAI, COC)
- Material testing laboratory, air-conditioned 3D measuring machine

Your personal contact:

Aartech GmbH

Swiss Manufacturing Experts

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