

Aartech GmbH – Swiss Manufacturing Experts

Manufacturing competence for the Med-Tech Industry

Aartech GmbH, a former entity of ABB Full Service, offers a wide range of products and services for the Medtec- and Life Sciences Industry. Our experienced team builds up on decades of Know-how in the design and manufacturing of components and systems for healthcare products as well as the development and manufacturing of special Jigs & Tools for installation and testing. Please find below an overview about our capabilities and services.

Aartech – facts and figures

- Private owned company (LLC)
- Located in the north-western part of Switzerland
- Fifty well educated and experienced employees
- More than 40 years of experience in design engineering and manufacturing
- Leading position in Switzerland, 40% export revenue share

Material Experience

- Aluminum, copper alloys, titanium, nickel-based alloys such as Hastelloy X, Inconel, Nimonic)
- Welded steel constructions
- Machining of precision castings, forgings and SLM parts
- Supplier network for thermoplastics, composite materials and injection-molded parts
- Cable harnesses and electronic systems

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 high requirements on quality documentation (FATR, FAI, COC)
- Material testing laboratory, air-conditioned 3D measuring machine



In-house manufacturing processes

- Machining (CNC milling / turning / grinding)
- Construction and metalworking shop, hand and robot welding
- Sheet metal working (laser cutting, punching, bending, roll-bending, deep drawing, including assembly operations)
- Assembly and Service Department
- Air controlled and conditioned assembly room
- Electrical-, pneumatic- and hydraulic 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, SPI Sheet Metal)
- 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.

Product and Services References:

Life Sciences parts and assemblies

- Welded frames and gantries including assembly
- Sheet metal housings including painting
- Machined metal parts e.g. pumps, valves and piping
- Containers and tubs in stainless steel

Medtech structural parts

- Mechanical Handling devices for cancer therapy units
- Medium-sized milling and turning parts up to 1.2 meter
- Structural sheet metal parts e.g. frames and housings
- Machining incl. 3d dim-check and heat treatment

Electronic surveillance devices

- Mechanical design and manufacturing of standard and customized sheet metal cabinets
- System assembly including customer owned commodities
- Functional and integration tests (100% inspection)
- Packaging in certified export packages

Calibration and testing units

- High precision medical device calibration parts and systems
- Clinical on-site calibration units (mechanical and electric)
- Engineering support during prototype phase

Factory and construction site equipment

- Engineering, manufacturing and commissioning of customized special machines
- Customized Measurement and Inspection - Tooling's
- Assembly equipment, transportation and lifting equipment
- Tool cabinets fully equipped with special tools according customer specifications
- Engineering and manufacturing of grinding, milling, EDM, testing and assembly fixtures

Your personal contact:

Aartech GmbH Swiss Manufacturing Experts

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