



- www.research-instruments.de

Linear Accelerators

- *With our customers every step of the way*

From concept to delivery

At RI Research Instruments, we design, develop, and manufacture state-of-the-art linear accelerators (Linacs) that power breakthroughs in scientific research, medical applications, and industrial processes.

With decades of expertise, we deliver tailored solutions that combine precision, reliability, and innovation to meet the most demanding requirements.

What we offer

Superconducting and normal-conducting accelerator systems & modules:

Tailored solutions for research and industrial applications, designed to meet precise project requirements.

High-precision accelerator components:

Manufacturing of key components such as RF cavities, cryomodules, and beamlines, ensuring seamless integration and peak performance.

Engineering and Consultancy Services:

Comprehensive support, from initial concept and design to installation, testing, and long-term maintenance.

Installation, Testing, Maintenance & Training:

On-site commissioning, performance validation & Long-term support and operator training

Why choose us?

Expertise

Decades of experience in the field, backed by a team of highly skilled engineers and physicists

Customization

From concept to installation, we adapt your needs

Quality

Commitment to delivering products that meet customer and regulatory requirements, with a focus on reliability and durability as part of our ISO 9001-certified quality management system

Global reach

Serving clients around the world, with the highest reputation for excellence

Collaborative spirit

An open and trustful collaboration with our customers is key to our success

Design & Development

- Project Management
- Electrodynamics simulations
- Structural mechanics and thermal calculations
- Beam dynamics simulations
- RFQ design tools
- 3D CAD design tools
- Multi-purpose tools
- Control systems
- Programmable logic controllers (PLCs)

Manufacturing Capabilities

- CNC milling & turning, metal working
- EB & laser welding, TIG welding
- Vacuum brazing & heat treatment
- CMM & metrology
- RF measurements, leak testing & RGA
- NDT testing with X-ray, ultrasound etc.
- Chemical surface treatments, degreasing
- ISO 4 clean-room assembly
- System integration & on-site installation



- *We are happy to help!*

Teamwork makes the dream work.

Let's team up and see how our experts can support your cause.

RI Research Instruments GmbH
Friedrich-Ebert-Straße 75
51429 Bergisch Gladbach
Germany

+49-2204-7674-100
sales@research-instruments.de
www.research-instruments.de