

Company Profile

Global supplier of high performance particle accelerators and related equipment for research and industry



DANFYSIK

Our mission

We exploit our competence in accelerator technology to design, develop, manufacture and integrate advanced components and high-quality systems that exceed the goals of our customers in research, healthcare and industry worldwide.

Our Customers

Danfysik's accelerator technology is suitable for a wide range of applications, including:

Fundamental and applied sciences:

- Synchrotron light sources and free electron lasers
- Intense infrared, THz and EUV sources
- Heavy ion research
- Radio carbon dating
- Rare isotope separation
- Neutron generators and spallation sources
- Antimatter production
- Laser acceleration systems

Industries including the healthcare sector:

- Radio isotope production for medical diagnostics and therapy
- Particle therapy
- MR scanning systems
- Ion accelerators for ion beam modification of materials
- Accelerators for goods and airport security systems

We are committed to finding solutions that meet our customers' needs in:

- Magnetic field calculations and measurements
- Ultrastable power supplies
- Beam diagnostics
- Insertion devices, undulators and wigglers
- Ion accelerators and ion sources
- Turn-key systems, electron & ion synchrotrons, and microtrons
- Installation, commissioning and after-sales service

Danfysik accelerator systems

Our turn-key accelerator systems and injection booster synchrotrons can be found across the globe.

In the near future, our know-how in accelerator systems will help treating cancer patients at ultimate precision with protons, carbon and/or light ions.

At the cutting edge of technology

Our commitment to research and development ensures that we can

supply state-of-the art accelerator technology to the highest industry standard.

We recently added Green Magnets™, a range of magnets with close-to-zero energy consumption, to our product line. The ultimate in environmentally friendly magnets saves up to 80% in total ownership costs.

At Danfysik we produce the most compact magnet systems on the market for synchrotron light sources, with considerable potential savings. Our superconducting magnets based on second generation High Temperature Superconductors (HTS) represent yet another technological breakthrough.


Ownership and workforce

Danfysik A/S is 100% owned by the Danish Technological Institute and more than 100 employees.



Our 360-degree support service covers the entire supply chain - from concept development to after-sales service

“ – At Danfysik we take pride in our: Customer focus, reliability, sustainability and highly-skilled and motivated workforce.



Danfysik would like to talk to you about how our competence in accelerator technology could benefit your application

To hear more please contact our sales team at sales@danfysik.dk or visit our web-site: www.danfysik.com

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