

Magnetics Products Technology Centre

Developing an enhanced
technological future together



Our Technology Centres

To support our customers design challenges, we have eight dedicated Technology Centres across the group, driving our pursuit of excellence. With a proven design led approach, they ensure we can deliver industry-leading technology solutions.

The Magnetics Products Technology Centre is at the forefront for applications that require specialist or customised cores and components. Our team of engineers design, test and manufacture magnetic components including transformers, chokes, inductors, and cores to meet the unique requirements of your project. We can also support you throughout the project lifecycle with supply chain and quality management services.

Blending industry experts and state-of-the-art facilities

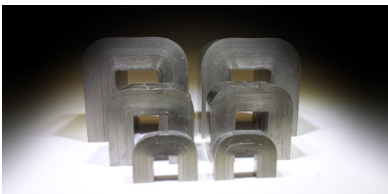
Our expertise enables us to support you with your design challenges.

We ensure excellence by keeping up-to-date with the latest technical and application developments, including simulation and construction tools.

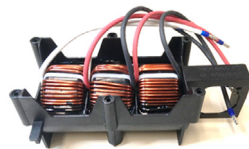
We can collaboratively work with your development team remotely and/or face-to-face, utilising our wide resource of materials and technologies along with close relationships with core manufacturers R&D. Through our in-house facilities and large material stock, rapid prototypes and testing are accomplished.

Customised soft magnetic solutions

We are focused on projects for power conversion (5 – 200kHz and 1 – 100kW) including related filters/EMI, and 50Hz safety and monitoring applications (RCD, CTs). For these applications, we support and supply on different value chain levels:



Soft magnetic cores, specially made from modern amorphous and nanocrystalline material (Acal BFi kOr), applied within power transformers and chokes as well as RCDs and CTs.



Inductive components such as transformers, chokes, coils, and sensors to use within power supplies, but also suitable for signal transmission and safety/monitoring.



Support for you to develop and manufacture state-of-the-art solutions using our components to ensure optimum overall performance.

Supporting you throughout your project

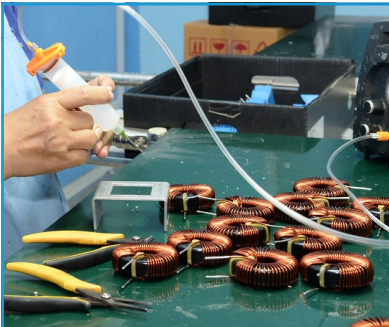


Technical expertise

By sharing our extensive technical expertise, we empower you to ask the right questions. Close relationships with our technology partners' R&D and technologies enable us to explore possibilities with you that you may not have considered accessible.

Custom design

Benefitting from a network of local and global technology partners, we are fully independent in the choice of materials, technologies and production locations in Europe and Asia. If standard materials like cores don't provide the best solution, we'll design and manufacture custom solutions.



Prototypes and testing

With our material stock, manufacturing capabilities, and technology partners, we can manufacture and test prototypes in short timescales, even overnight, avoiding delays to your product's development. Our facility is equipped with state-of-the-art electrical/magnetic and environmental test devices.

Supply chain, quality and production

Once approved, we can manage production and complete supply chain including quality assurance. With a choice of certified manufacturing partners with unique profiles and our warehouse solutions, we provide the most efficient capabilities matching your design, volume, and destination.



Certifications and norms

- We are certified according to ISO 9001
- We deliver PPAP and similar documentation as well as 3D-data, LT-spice files and data on materials compliance and IMDS
- Our manufacturing partners are certified according to ISO 9001 and IATF 16949. They are constantly supervised by our quality assurance
- On demand, we use only UL listed materials or UL insulation systems
- Most environmental validation tests can be performed in-house. UL or VDE certification of components can be provided

Developing an enhanced technological future together

To benefit from our expertise and in-house capabilities, it's important that you contact us at the earliest stage possible within your project to ensure you don't needlessly spend or use resources, as well as identifying all hidden improvement potential from the start.

You can connect with our experts immediately online or face-to-face when initial project details are available. Design proposals, budget quotes and prototypes are available within a few days.

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