Magnetic cores
European leader in advanced technology solutions
About Acal BFi

Acal BFi are Europe’s leading provider of advanced technology solutions, operating in 12 countries throughout Europe.

We offer products across specialist technology areas, each with a dedicated pan-European sales team. Customers use our design-led expertise and expert consultation services to find the best technology solutions for their design, prototype and production needs.

Products and support

- Cables and Connectors
- Embedded computing
- Imaging
- Magnetic components
- Power
- Semiconductors
- Electromechanical
- Fibre optics
- IoT and Wireless
- Photonics
- RF and Frequency control
- Sensors
One-stop shop for magnetic cores

The largest team of technical support specialists in Europe

Using experience gained over 40 years in the market, we offer a comprehensive range of products that meets all your needs. Our close relationships with world-class manufacturers means we can help you select, source, customise, stock and integrate soft magnetic cores for any application.

Trust us with your magnetic cores supply

When you work with Acal BFi you can trust us to have your business’s interests at heart. Our experience, technical expertise, flexible approach and rapid response let you concentrate on fulfilling your customer’s brief with confidence.

consult. design. integrate.
Custom cores and accessories

Our magnetic components division supply much more than off-the-shelf components.

Custom cores
If a standard off-the-shelf magnetic core does not suit your application, we can create a custom solution designed specifically for you. With access to all major core manufacturers, we can supply cores in customised materials, shapes and sizes (including machining for small quantities), giving you the most suitable solution for your needs.

Our custom cores come with mechanical finishing services including:
- gapping and grinding
- cutting and slotting
- stacking and assembly
- boxing and coating
- labelling and packaging

Custom accessories
If your space is limited, performance is crucial or weight matters, we can design custom accessories to help make your design work effectively using bobbins, housings, base plates or clips.

Choose Acal BFi
We take pride in delivering outstanding service, excellent engineering and access to the latest soft magnetic materials. Contact us today to find out how we can help you.
Key partners overview

Acal BFi work with the leading manufacturers in their field, offering you a complete solution for your magnetic components needs from a single supplier.

Acal BFi offer a wide range of amorphous and nanocrystalline cores under the brand of Acal BFi kOr, managed in-house by our core material and applications experts. We can also customise the shape, size and finish of your cores.

Amogreentech are a manufacturer of amorphous and nanocrystalline magnetic tape and cores. They have established a leading position in the market of high-performance, soft-magnetic, amorphous-based new materials focusing on powder cores.

Ferroxcube invented soft magnetic ferrites and are the leading innovator in ferrite-ceramic technology. They offer a broad range of cores, accessories and EMI suppression products to support equipment manufacturers as they strive for greater miniaturisation, reduced power consumption and lower interference.

Laird offer a broad range of performance-critical, soft-ferrite products for EMI suppression, wireless and other advanced electronics applications.

Lodestone Pacific are a recognised leader in quality accessories for the magnetics industry, such as toroid mounts and headers, bobbins and base-plates.

Magnetics Inc. are a leading supplier of precision soft-magnetic advanced powder cores and materials to the electronics industry. They specialise in the research, design and production of a broad range of high-quality advanced powder cores, ferrite cores and tape-wound cores.

Micrometals supply high-quality iron powder cores, including fully customised materials and shapes, to meet the needs of the electronics industry. They specialise in iron powder cores for power conversion, line filter, radio frequency and high-temperature applications.

Toshiba pioneered the development of Cobalt (Co)-based amorphous magnetic alloys for electronic applications. They offer amorphous magnetic cores for noise suppression, mag-amps, snubbers and pulse transformers.
Key suppliers by technology

The Acal BFi magnetic cores portfolio

- MPP
- High Flux
- Kool Mµ/Sendust
- XFlux/Silicon Iron
- 75-series
- Amorphous Powder

- Fe-Based Amorphous
- Nano-Crystalline
- Co-Based Amorphous

Advanced powder cores

Tape wound cores

Iron powder cores

Ferrite cores

Soft magnetic core materials

- Iron Powder
- Manganese Zinc
- Nickel Zinc
Winding and mounting accessories

Acal BFi offer a broad portfolio of accessories for winding and mounting of magnetic cores.

Suppliers by market segment

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