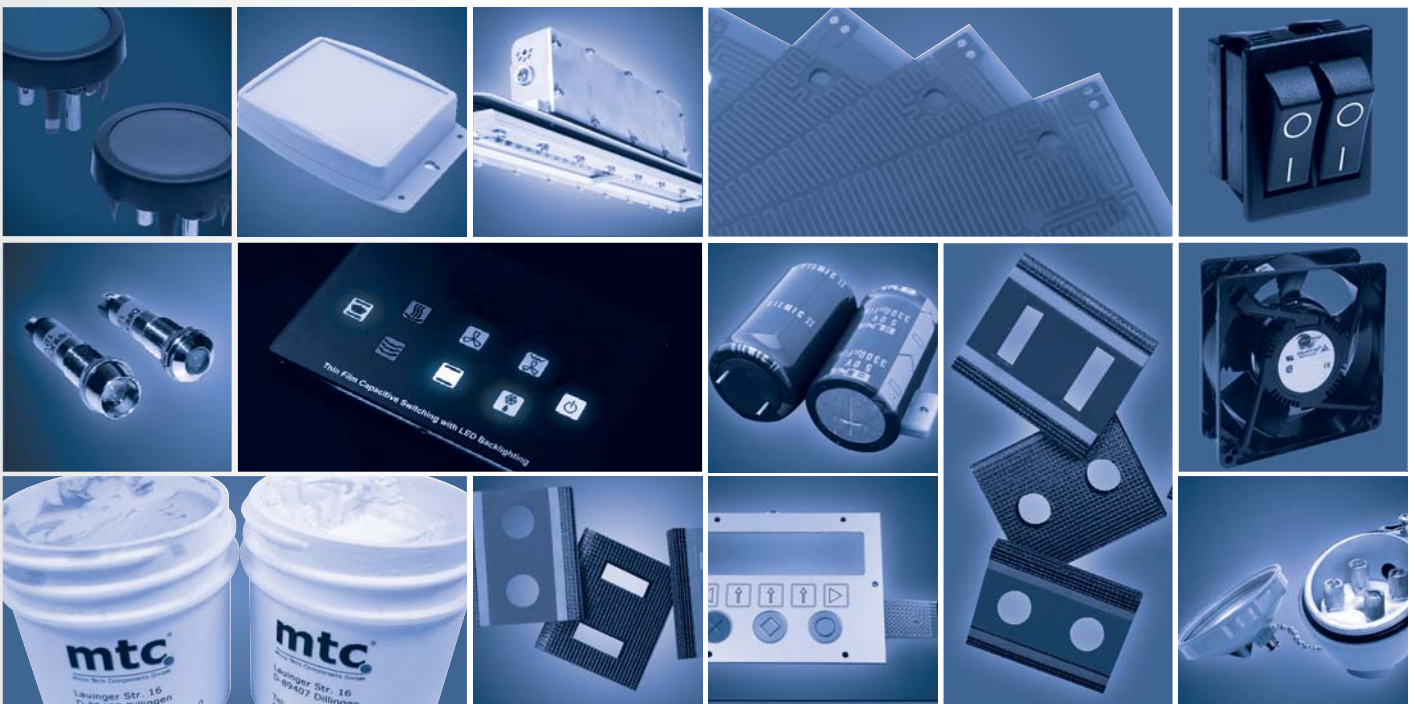


# Electromechanical

European leader in advanced  
technology solutions



Get in touch:

Tel : +44 (0) 1189 788 878 Email : sales-uk@acalbfi.co.uk

consult. design. integrate.

## 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.

## Get in touch

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## Products and support

Cables and Connectors	<b>Electromechanical</b>
Embedded computing	Fibre optics
Imaging	M2M and Wireless modules
Magnetic components	Photonics
Power	RF and Frequency control
Semiconductors	Sensors



## Leading solutions and expert support for your application

We offer a strong portfolio of electromechanical and passive solutions from leading global suppliers giving you access to market-leading innovative technology and expertise. Our broad portfolio of complementary products gives you a choice of standardised and custom components to suit your application.

Our technical experts work with you to understand your design and provide consultation to help you choose the right solutions and integrate in to your design, reducing design costs. We can also help you through the pre-production and production stages with our pre-compliance testing facilities and assembly services, reducing your time to market and production costs.

Our experienced engineering team can help with even the most demanding of applications and have previously helped design solutions for projects as challenging as data collection in space.

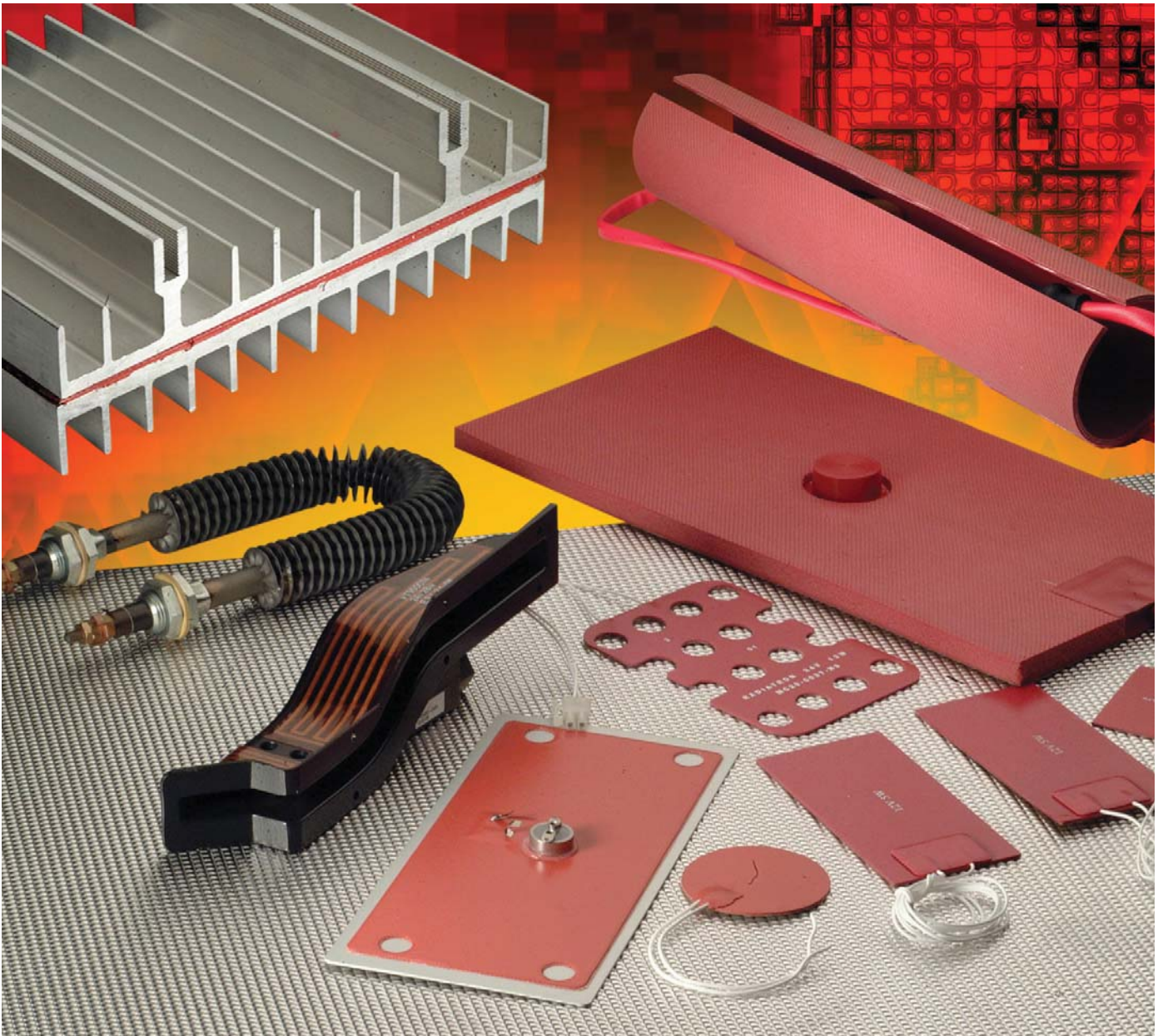
**consult. design. integrate.**



## Unrivalled engineering support












Acal BFi's extensive range of electromechanical components is complemented by a set of tailored services and specialist expertise. Our strong relationships with leading suppliers mean we are ideally positioned to provide consultation on the optimum solutions at the design stage. We can also deliver custom solutions to fit your application and help reduce your time to market.

- **Custom capacitive touch keypads** – enhance the aesthetics and functionality of your design with a customised keypad. Our engineering team can help you assess the most suitable technology for your product and work with our suppliers through the design process to deliver the right keypad for your application. We offer a selection of capacitive touch, piezoelectric, silicone rubber and membrane keypads.
- **Custom heater solutions** – we can produce flexible heater mats bespoke to your application, including anti-condensation or anti-frost.



## Key partners overview

Acal BFi work with the leading manufacturers in their field, offering you a complete solution for your electromechanical needs.

-  **acal|bfi** Acal BFi are Europe's market leader in the design and manufacture of high-quality, bespoke, flexible heater mats.
-  **ALGRA** Algra manufacture printed plates, panels and keyboard solutions that are used worldwide.
-  **arcoelectric** Arcoelectric specialise in the manufacture of appliance switches, indicator lights and fuseholders for every kind of product, from coffee machines to laser printers.
-  **bulgin** Bulgin design and manufacture internationally recognised connectors, fuseholders and switches.
-  **COMAIR ROTRON** Comair Rotron provide air-moving and thermal solutions, including axial fans and DC blowers, to the automotive, medical, industrial and air-conditioning markets.
-  **DELTA** Delta Energy systems provide innovative, clean and efficient energy filter and inlet power solutions in areas including telecom and uninterrupted power supply, industrial automation, and visual displays.
-  **Ducommun Technologies** Ducommun supply cockpit-control interfaces including illuminated push-button switches, keyboards and integrated display assemblies for the aerospace industry.
-  **ELNA** Elna produce innovative, high-quality capacitor solutions that are used in automotive, telecommunications, medical and industrial applications.
-  **FUJITSU** Fujitsu relays offer automotive, signal, high-frequency and power relays for a wide range of applications.
-  **Honeywell** Honeywell design and deliver an innovative portfolio of switch solutions including industrial limit and action switches for industrial and hazardous areas.
-  **ITW** ITW provide a broad portfolio of standard and bespoke switching products, used in applications across the most demanding environments, from aerospace to mining.
-  **KERAFOL** Kerafol have become one of the world leaders in ceramic foil production, and an important manufacturer of technical ceramics for thermal applications.
-  **Laird Technologies** Laird Technologies provide components and solutions that protect electrical devices from electromagnetic interference and heat, including board-level shielding conductive foam and ferrite EMI suppressors.
-  **Maxwell Technologies** Maxwell provide energy storage devices that are characterised by high-power density, long-operational life, the ability to charge and discharge very rapidly, and reliable performance at extreme temperatures.
-  **mp** Microprecision specialise in the production of switches that are suitable for extreme environments. The products are used in road, rail, marine and medical industries.
-  **mtc** MTC manufacture high-quality EMC shielding materials, ESD solutions and thermally conductive products used to protect electronic circuits from high-frequency electromagnetic radiation.
-  **NIC Components Corp.** NIC Components design and manufacture passive components including a range of capacitors, resistive products and power inductors.
-  **PACTEC** Pactec produce off-the-shelf and bespoke enclosures for computer, electronic, test and medical equipment.
-  **SCHURTER** Schurter offer power-supply products (such as cables, connectors, and fuses, which are fully compliant with the latest electrical safety standards, including IEC 60950.
-  **sonitron** Sonitron manufacture high-quality piezoelectric audio components, offering a broad range of solutions that are commonly used in industrial and military applications.
-  **stadium IGT** Stadium IGT provide niche electronic technologies including capacitive switches to OEMs.
-  **SUNON** Sunon are a leader in the fields of precision motors, mini fans, and thermal modules.
-  **TE Connectivity** TE Connectivity supply connector, relay, switch, wire and cable solutions, connecting power and data in a range of markets.
-  **TOSHIBA** Toshiba are a world leading technology manufacturer that delivers advanced ferrite EMI suppression solutions.
-  **Weidmüller** Weidmüller have supported customers around the world for over 160 years, with industrial connectivity, electronic components and automation products and solutions.
-  **WIMA** Wima are a leading specialist producer of innovative capacitor solutions used in consumer and industrial electronics and the lighting industry.
-  **Y.S.TECH** YS Tech manufacture a range of innovative, high-performance DC and AC cooling fans.

# Key technologies and suppliers

The Acal BFi electromechanical portfolio



## EMC / EMI products

- Board-level shielding
- Conductive foam / elastomer
- Fabric-over-foam gasket
- Ferrite EMI suppressors
- Filters and inlets
- Wire mesh / knitted gasket



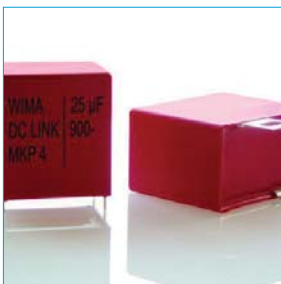
## Enclosures

- Electrical
- Electronic
- Handheld



## Buzzers , sounders and fuse holders

- Industrial buzzers
- Military buzzers
- Piezo buzzers
- Speakers
- 20mm and 32mm fuses
- In-line, PCB and panel mount fuse holders



## Passives

- Capacitors
- Double layer
- Metalized polypropylene
- Electrolytics
- Ultracapacitors



## Relays

- General purpose
- RF
- Solid state
- PCB mounting







### Switches

- Capacitive
- DIL (DIL) / SIP (SIL)
- Limit
- Microswitches
- Push-button
- Rocker
- Rotary
- Toggle

ALGRA Ducommun Technologies Honeywell



SCHURTER



stadium GROUP PLC



### Thermal products

- Fans
- Gap filler
- Heaters
- Paste

acal<sup>bfi</sup>



Honeywell



mtc<sup>®</sup>  
an acal group company

SUNON<sup>®</sup>



	EMC / EMI products	Enclosures	Buzzers, sounders and fuse holders	Passives	Relays	Switches	Thermal products
Acal BFi							•
Algra						•	
Bulgin			•				
Comair Rotron							•
Delta Energy Systems	•						
Ducommun						•	
Elna				•			
Honeywell						•	•
ITW						•	
Laird Technologies	•						•
Microprecision						•	
MTC	•						•
Pactec		•					
Schroff		•					
Schurter				•		•	
Sonitron				•			
Stadium IGT						•	
TE Connectivity	•			•	•		
Toshiba	•						
Wima				•			
Weidmüller					•		
YS Tech							•



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