



ENGINEERING SPECIALISTS

- › THERMAL SOLUTIONS
- › ACOUSTIC SOLUTIONS
- › EXHAUST SYSTEMS
- › PRECISION ENGINEERING

 **FIBRE-TECH**
INDUSTRIES (UK) LIMITED

WWW.FIBRE-TECH.NET

ENGINEERING SPECIALISTS



Our Design Engineering Services have always been the core of our company. The company is centred on a fully integrated system across Design, Development and Manufacturing. To ensure we meet demanding customer requirements and optimum product. Our dynamic team of engineers will use their technical expertise and work alongside our experienced manufacturing team to provide the best to solution for each application.

We provide products and services to a wide range of industries including some of the world's leading engine and vehicle manufacturers, designing and manufacturing flexible Insulation jackets, ridged heat shields, entire exhaust systems, sheet metal and precision engineered components.

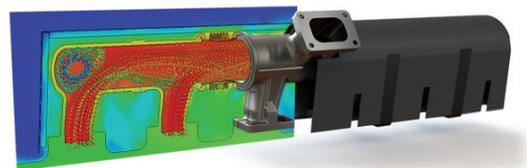
BESPOKE DESIGN SERVICE

- › **THERMAL AND ACOUSTIC INSULATION JACKETS**
- › **STAINLESS STEEL HEATSHIELDS**
- › **FABRICATED AND FORMED PIPE WORK**
- › **FIXED ENCAPSULATED INSULATION**
- › **COMPLETE EXHAUST SYSTEMS & COMPONENTS**
- › **LASER CUTTING**
- › **SHEET METAL FABRICATION**
- › **CNC COMPONENTS**

RESEARCH, TESTING AND DEVELOPMENT

We utilize state of the art 3D design systems and manufacturing techniques to deliver fast, efficient and cost effective solutions to heat management issues. Our 40 years of technical expertise coupled with our extensive material library, allow us to overcome even the most challenging of problems.

Testing can become a time consuming and expensive exercise, so at Fibre-Tech we are able to conduct both thermal and acoustic analysis in house and on site. Thermal analysis simulation is also conducted within the design phase to identify key areas of concern prior to manufacture, preventing product failure in the field.



MANUFACTURE

To enable Fibre-Tech to become an all in one solution provider, we have the capacity to design and manufacture not only an optimum product, but also ensure we are competitive. Our in house design and manufacture facilities enable us to be self-sufficient in all aspects of our manufacturing process. Manufacturing is undertaken at three locations within the UK.

Working within the automotive industry regularly presents itself with increased regulations and customer demands, with the need to adapt rapidly to change. Our responsive production line is an attractive prospect, as we are able to reduce lead times, increase our output, and reduce our overall production costs. This is all whilst ensuring our commitment to manufacturing excellence, quality, and health and safety are never compromised.

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MARKETS AND APPLICATIONS

Fibre-Tech is built on a heritage of providing solutions for the control and management of thermal and emissions output in engines and exhaust systems. Fibre-Tech have had the privilege to work alongside some of the leading engine and vehicle manufactures across the world, designing and manufacturing products within industries such as;

- › Commercial Vehicles
- › Power Generation
- › Marine
- › Industrial Vehicles
- › High Performance Vehicles
- › Earth Moving

Our custom designed products are designed to suit you, with innovative ideas we deliver unique solutions to meet challenging working environments and to enable modern engines to reach their full potential. Safety and environmental requirements that are now standard practice within these industries, make us ideally placed within the market.



SITE SURVEY & INSTALLATION

Our experienced team of engineers will conduct a site survey on request to ensure all design requirements are obtained. Whether it be dimensional analysis or working closely with our customers to ensure product optimization.



CUSTOMER SERVICE

We are aware of the pressures the industry presents, so we aim to give our customers the opportunity for us to come up with a complete engineering solution, and ensure we consistently meet our high customer satisfaction levels.



QUALITY ASSURANCE

We strive to ensure that there are steps in place to prevent mistakes and defects in all areas of design and manufacture. We pride ourselves on delivering high customer satisfaction in both product quality and service, consistently meeting our ISO 9001 2015 quality standard.



THERMAL SOLUTIONS

As one of the industry leaders in thermal solutions and heat management, Fibre-Tech is a recognised name within the industry for its bespoke design services and high quality engineering standards. From original concept to development and high volume production, we offer close technical support to our customer. This ensures we consistently meet our customers technical criteria, even in the most challenging conditions.

Using a tested and developed material library, we design and manufacture products that control the heat within an engine bay. Whether you are trying to protect sensitive components from external heat sources, reduce surface temperatures for health and safety, manage the flow of engine gases, or improve system performance through better thermal management, our experienced engineering team will provide an optimum solution.

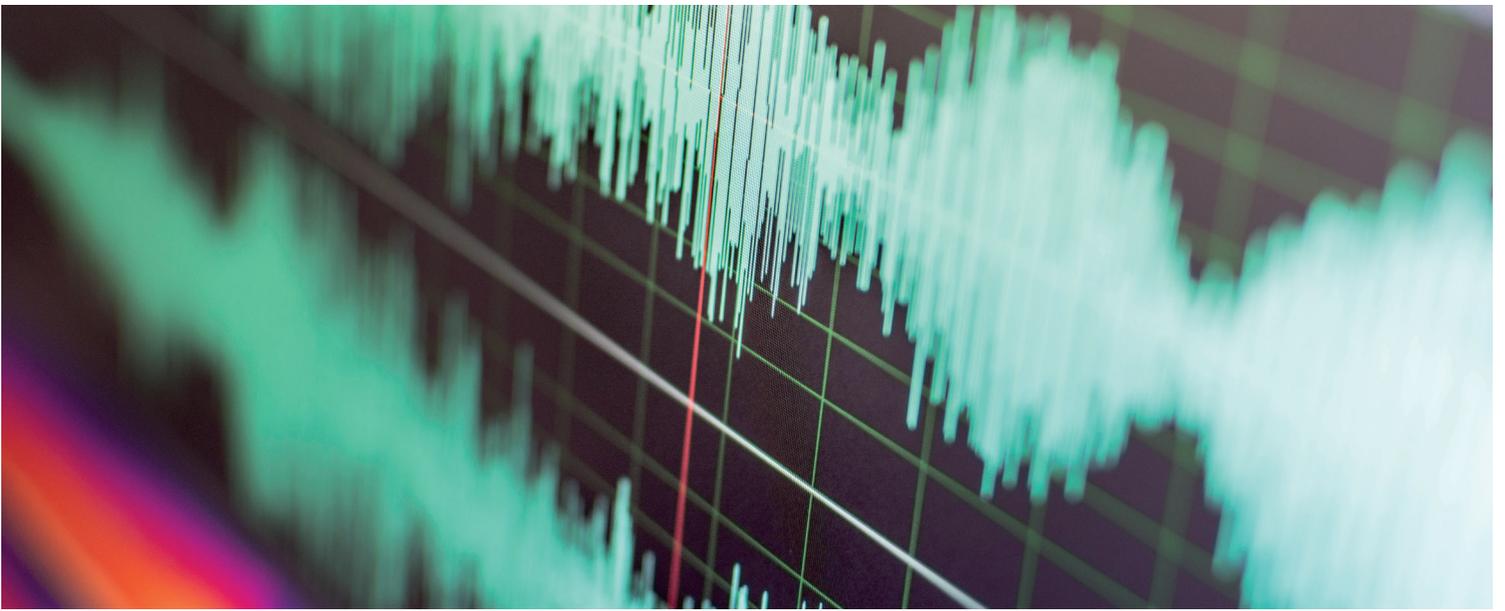
> INSULATION JACKETS

Our flexible insulation jackets are manufactured using advanced materials designed to operate under the most extreme industrial temperatures and challenging space constraints.

> HEAT SHIELDS

Our stainless steel heat shields are manufactured using the highest quality materials, providing a permanent insulation solution for pipework and sheet metal that gives a robust, high performance and aesthetically pleasing product, at low costs.





ACOUSTIC SOLUTIONS

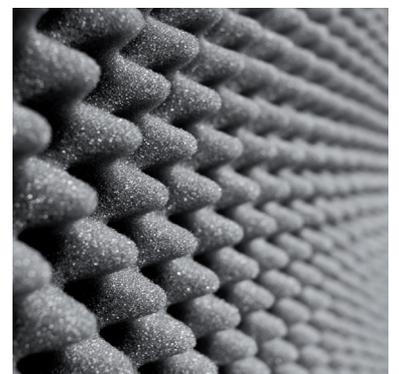
Acoustic testing is often essential in arriving at comprehensive sound management solutions. Fibre-Tech's engineers use precision testing and recording equipment to obtain detailed data that plays a fundamental role in designing bespoke acoustic solutions. This service is conducted under controlled conditions, complying to customer requirements or specific standards. Our engineering team will incorporate materials verified by Fibre-Tech and in most cases we are able to conduct our own certified test internally. This service is very unique in our industry and is what sets us apart from our competition.

› ACOUSTIC QUILTS

Fibre-Tech Acoustic Quilting has been specially developed for use in modern engine compartments where higher temperatures are present. The quilts are tailor made to suit the acoustic condition in the working environment and are manufactured using a special process which not only eliminates stitch holes for optimum fluid resistance, but uses glass fibre absorption layer as an additional reinforcement to the outer coating, making it far tougher and more durable than any of its counterparts.

› ACOUSTIC FOAMS & BARRIERS

Fibre-Tech stock and supply a wide variety of barriers and foams that reduce and absorb noise over a wide range of frequencies and tones which are commonly seen within the engine and vehicle industry. Not only do the foams have excellent anti-vibrations properties, but also provide excellent thermal resistance. Barriers and foams can be combined to increase transmission loss and can be supplied in full size sheets or cut to shape to suit the application.





PRECISION ENGINEERING

Fibre-Tech's Precision Engineering Division is an established facility, originally started up as a family business 40 years ago. Acquired by Fibre-Tech in 2017 this facility provides precision engineered components, specialising in fine-limit sheet metal fabrication, CNC milling, turning and grinding, under our BS EN ISO 9001:2015 quality standard.

Our engineering expertise has provided us with the opportunity to work alongside the some of the UK's leading blue chip companies in areas such as automotive, aerospace, test and measurement, x-ray equipment, material analysis, motion control technologies and defence.

A close synergy with the in-house design team, provides a unique opportunity to design for manufacture.

- › **CNC TURNING**
- › **CNC MILLING**
- › **GRINDING**
- › **LASER CUTTING**
- › **SHEET METAL FABRICATION**
- › **VARIOUS WELDING TECHNIQUES**

FINISHING PROCESSES

Based on our extensive knowledge of finishing processes and procedures, Fibre-Tech are able to offer a wide range of component finishes, including wet spray, powder coating, anodising, hard anodising, hard chroming and metal spraying.



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EXHAUST SYSTEMS

Complex design requirements, coupled with space constraints provide the automotive industry with significant challenges which require modern design solutions and manufacturing techniques. Our team of engineers work closely with their experienced welding and fabrication technicians to develop the solutions required to meet these challenges. Our advanced welding facility provides the ability to produce a wide range of products and services, from one off bespoke systems, to high volume production. Further investment into our welding facility has provided advanced production methods and increased output, whilst ensuring our commitment to manufacturing excellence, quality and health and safety are never compromised.

› EXHAUST COMPONENTS

- › Fabricated & Formed Pipe
- › Flexible Pipe & Bellows
- › Silencers
- › Diffusers
- › Clamps
- › Gaskets
- › Flanges & Flares
- › Specialist CNC Components

› OEM SUPPLIER

Fibre-Tech is proud to be listed as an Original Parts Manufacturer (OEM) within the engine and vehicle industry. Building these long term partnerships and recognising the importance of customer service has been significant in the company's success.

› EXHAUST HEATSHIELD

Fixed Fibre-Tech stainless steel exhaust heat shields are made up of a permanent dimpled foil encapsulation system, enclosing our e-glass insulation for both flat and multi-surface applications, including pipework. These systems are manufactured with no tooling costs to our customers and responsive lead times.





OUR ASSURANCES

With Industry experience spanning over four decades, we can ensure that all heat management issues are resolved when you to choose to use Fibre-Tech.

We are aware of the pressure the industry presents, so we aim to give our customers effective solutions at optimum cost, while ensuring we continue to meet our customers high standards for quality and customer service.

We aim to provide a high standard of service at all phases, from the initial enquiry, right through to manufacture and delivery.

Our company is founded on the principle of providing high quality customer service, design and manufacture, this has allowed us to build long and lasting relationship with our customer based.



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