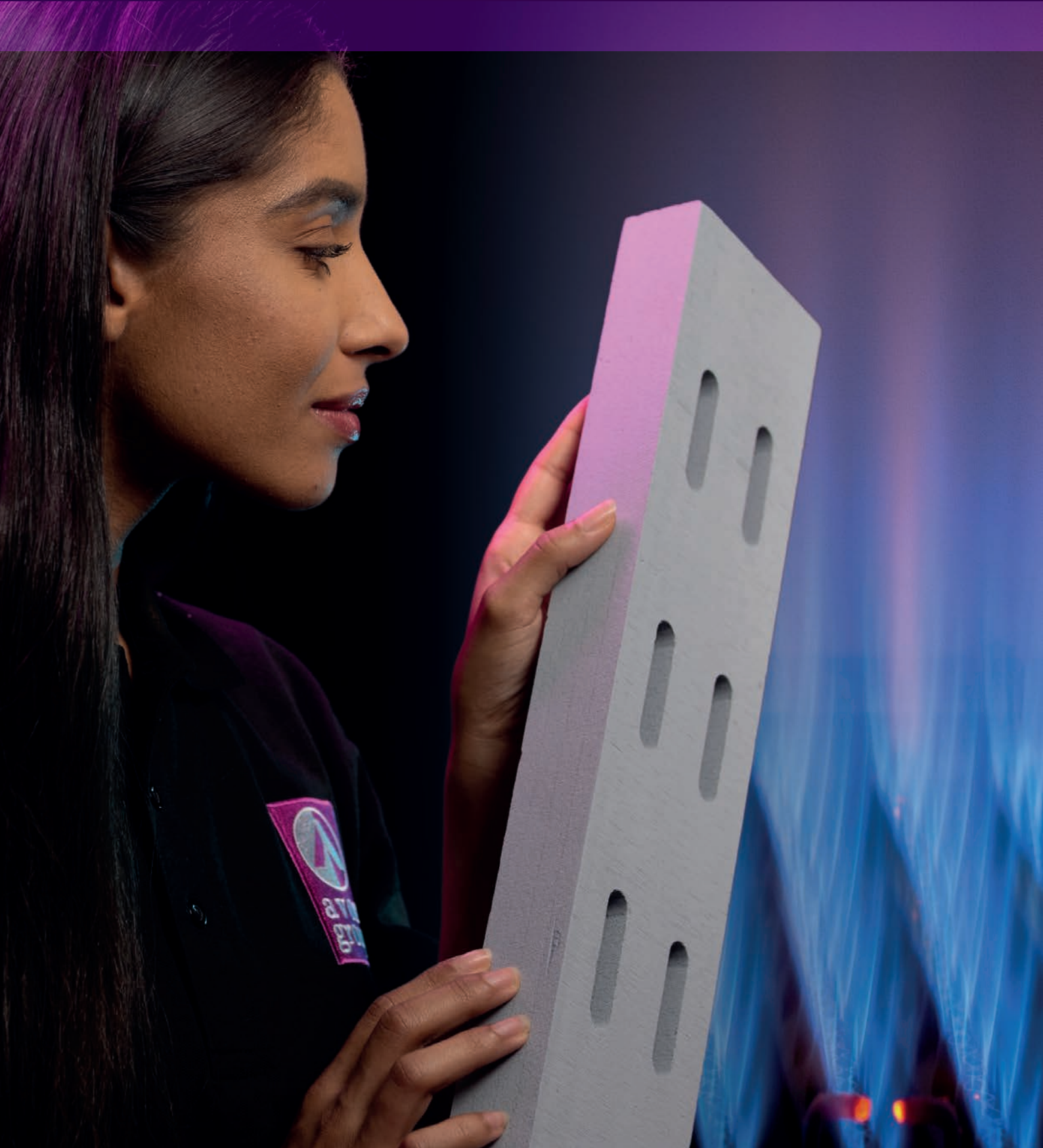




# Thermal Insulation

Class leading solutions for unrivalled thermal efficiency



Reduced energy consumption

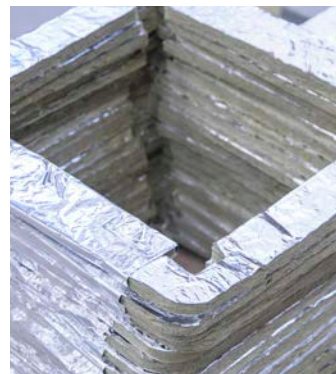
Improved product efficiency

Environmentally sound



Avon Group is a UK market leader in the specification, manufacture and supply of thermal insulation products used across a wide spectrum of market sectors. In-depth knowledge of specialist materials and close working partnerships with some of the world's most innovative material manufacturers, ensures we're able to test and select materials that meet ever more demanding performance and environmental criteria geared to reducing energy consumption and harmful emissions.

The Group's continuous investment and diverse manufacturing capability enables us to meet the thermal insulation requirements of many of the UK's leading brands who supply cookers, ovens, fires, boilers, heaters, plant & machinery. From large volume bespoke components to items in kit form, we've got it covered.



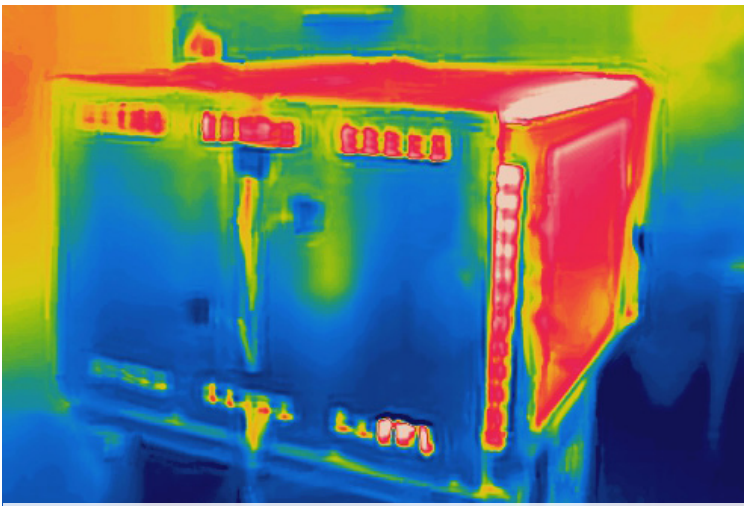
Foil laminates



Mineral wool



High temperature insulation paper



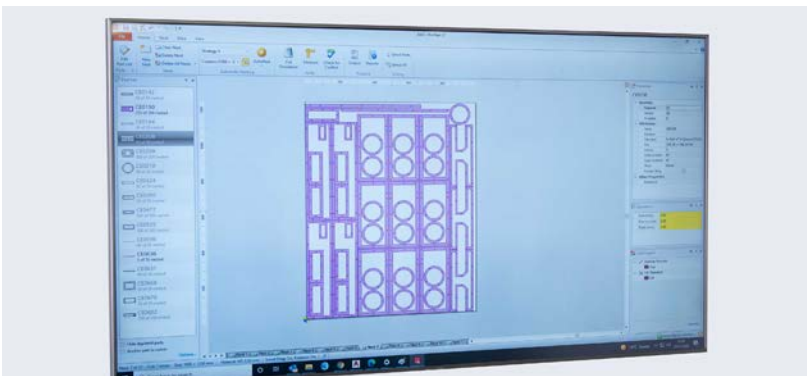
Thermal performance analysis



## Minimising heat loss, maximising efficiency gains

With an ever increasing focus on saving energy and meeting even more stringent environmental requirements, we have the tools, materials and expertise to exceed expectations. We're able to help by improving thermal efficiency, reducing heat loss and eliminating binder burn-off for a huge range of manufactured products from domestic fires and cookers to commercial catering and heating equipment.

This is achieved by accurately evaluating the heat efficiency characteristics of products through product tear-downs and thermal measurement. This enables accurate analysis to be undertaken on a 'before and after' basis, giving tangible evidence of improvements using different material types and improved product design. We can produce working samples for production-line testing on our own equipment or for full evaluations trials, if required. Our technical capabilities in our Bristol manufacturing plant are supplemented by extensive laboratory facilities and resources for materials testing and analysis across the Group.



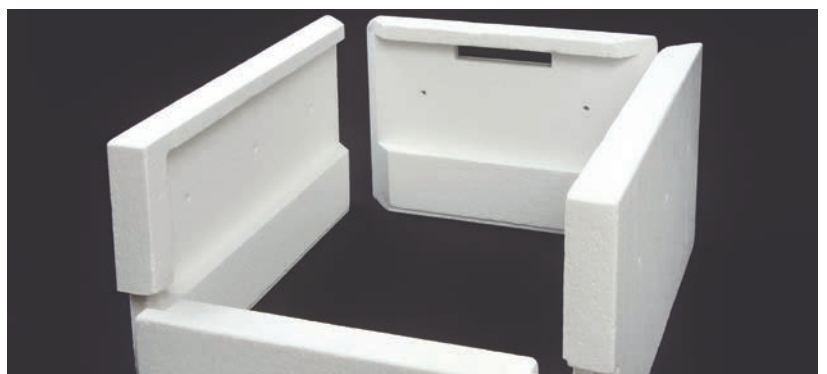
Complex nesting capability



Precise non-contact measurement



Product tear-downs



Insulation chamber



We're at the cutting edge when it comes to advising on and selecting materials that perform to the highest possible specification.

## High performance materials carefully selected

Extensive access to the widest range of specialist materials, strong supplier relationships and an in-depth understanding of material characteristics are all crucial to achieving the optimum solution. With over 40 years' experience of working with most of the world's major material manufacturers, we're confident of recommending solutions that perform to the highest standards and ensure the integrity, durability and sustainability of the end-product. Sourcing materials, many with outstanding environmental credentials, from suppliers such as Rockwool, Knauf, Morgan and Alkegen means we have all bases covered.

So whatever the challenge, we have a material to suit - rigid or flexible, in rock fibre, glass-fibre, board, blanket, paper, foil & rope, or a combination of these. Also, as part of a wider group, we are able to offer the complete range of materials as well as related components in plastic, foam, rubber or synthetics. This means your supply lines are shortened, deliveries are quicker and costs are reduced.

**BASF**  
The Chemical Company

**KNAUF**

**Morgan**  
Advanced Materials



**ROCKWOOL**

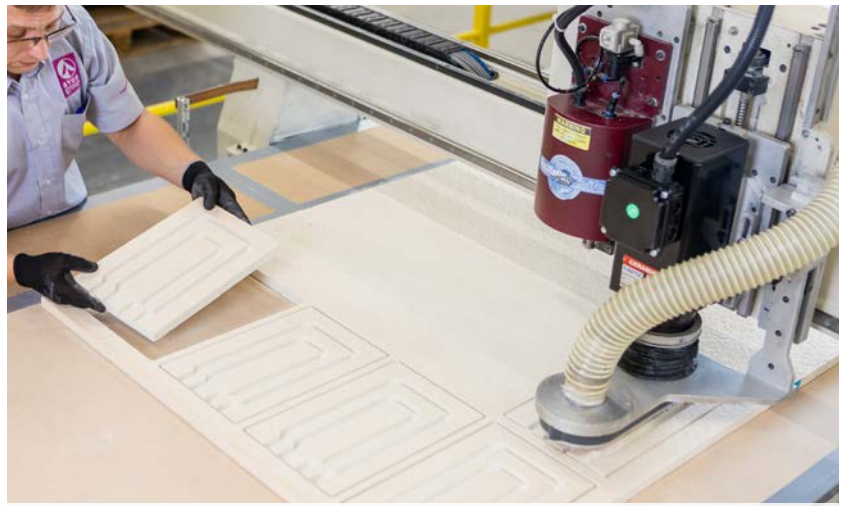
**ALKEGEN**

**skamol**





Water jet cutting



Oscillating knife cutting, routing & depth cutting

## Manufactured solutions tailored to every application

Our long-standing relationships with many customers across diverse manufacturing sectors are a strong testament to our in-depth understanding of their individual requirements. Our extensive manufacturing capability offers the widest material conversion options available in the UK marketplace. This includes the ability to cut, rout, shape, laminate and fabricate rigid or flexible materials to meet any application or fitting requirement. All our processes ensure every aspect of material integrity is maintained throughout the manufacturing cycle. We also have the capability to 3D form materials for heatshield applications.

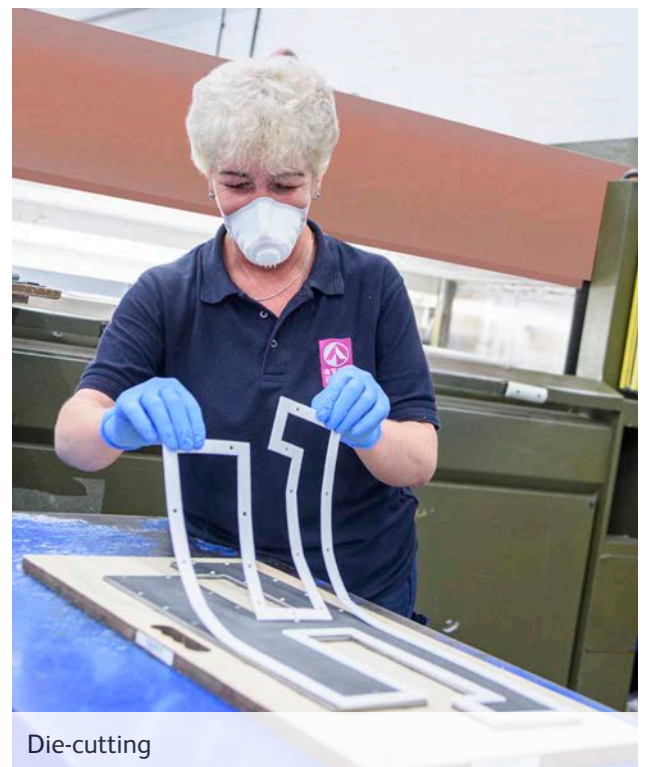
However, it's our technical know-how and manufacturing efficiency, that really sets us apart. Using sophisticated nesting software, automated production machinery, non-contact measurement technology and quality accredited production management systems means we're able to fulfil the most demanding high volume production requirements quickly and accurately.



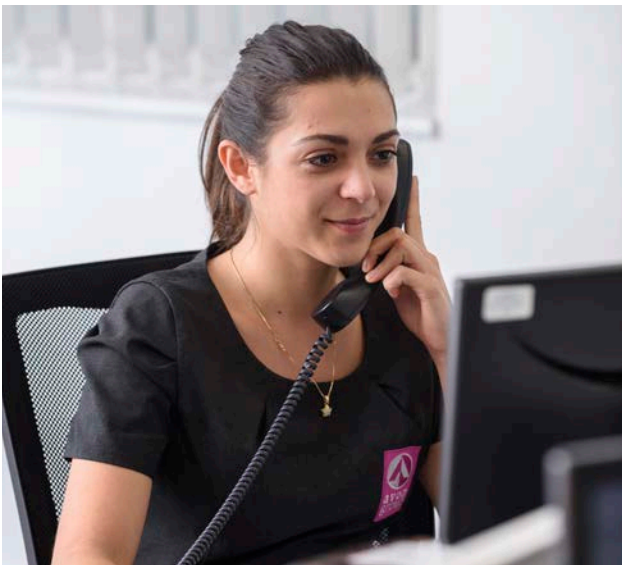
Precision routing



Oscillating knife cutting



Die-cutting



## Building and supporting customer partnerships

We are a customer-centric business with a clear focus on making the quality of our customer relationships as important as the products we supply. This is demonstrated by our commitment to achieving a clear understanding of customers' requirements from the outset and placing emphasis on solutions that deliver long-term value, not 'off the shelf', untested alternatives. Our comprehensive after-sales support provides on-going technical advice and additional added-value services such as stock holding, kitting and 'on-demand' distribution.

We're ready to work with you to help improve the thermal efficiency of your products, streamline your supply chain and maximise cost-efficiencies.



# Markets



Catering equipment



Cookers & ranges



Boilers



HVAC



Flues & pipework



Electric vehicles

# Materials



Glass fibre



High temperature rubbers & foam



High temperature ropes



Rock fibre



High temperature insulation boards and papers



Foil & tissue coatings

# Applications



Oven linings



High temperature seals



Thermal insulation



Flue & chimney seals



Absorption insulation



Protection insulation

Avon Group consists of individual businesses that offer a unique range of engineering and manufacturing skills. These businesses all have extensive capabilities to design and manufacture products using a wide range of different materials that provide innovative solutions to manufacturing and industrial problems.

The Group is one of the largest suppliers of sealing gaskets for aerosols in the world, a major manufacturer of specialist parts for the automotive industry and an industry leader in the design and manufacture of specialist sealing, insulation and protection products for industry, using plastic, foam and rubber as well as other synthetic and composite materials.

With extensive design and manufacturing capability in the UK, the Group serves the needs of customers both at home and around the world.



[www.avon-group.co.uk](http://www.avon-group.co.uk)

