

## A comprehensive CNC routing and cutting service

We provide a first-class CNC routing capability across a wide range of markets and materials. We are happy to discuss and quote for small one-off enquiries or large volume panel projects.

### Our capabilities

We have a comprehensive range of equipment, including three large SCM routers which are capable of 5-axis and 3-axis routing. We also have a machining area up to 7.5m long and 2.0m wide, offering our customers a comprehensive service.

We also operate a 4.0m beam saw providing our customers with a fast, accurate and efficient cutting service. This is also supported by a double end tenon for panel edge machining.

Customers are able to take advantage of our routing expertise for sheet materials, including compact grade laminate, rigid and XPS foam plastics and particle boards. We also have extensive knowledge of routing composite panels including aluminium and polypropylene honeycomb panels. These materials are typically used in industries such as construction, automotive, caravans, marine and commercial vehicles.

### Design service

Our in-house CAD team can assist customers by importing their own CAD files or by creating CAD files from drawings. Our software systems include Alphacam and Solidworks with 3D capability. A division within Panel Systems specialises in hot-wire cutting of Ravatherm and Fibran XPS (extruded polystyrene), and another division focuses on the manufacture of composite panels.

Please contact [cnc@panelsystems.co.uk](mailto:cnc@panelsystems.co.uk) for further details or visit the website [www.panelsystems.co.uk](http://www.panelsystems.co.uk).



#### 5-Axis CNC

We utilise the very latest machining equipment.



#### Colorplas

Colourful HDPE sheet, which is suitable for signs and playgrounds.



#### Solid grade laminate

Machined for locker doors.



#### Solid grade laminate

Machined for cubicle partitions.



#### Solid grade laminate

Including digitally printed laminate machined for a wide variety of applications.



#### Aluminium Honeycomb

Machined for high performance applications.



#### Ravatherm and Fibran XPS

Extruded polystyrene machined for engineering and construction applications.



#### Laboratory work surfaces

Workbench surfacing and associated components fabricated to customer specification. Materials include Trespa Top Lab

## External Cladding

We are one of the leading fabricators of external cladding. Operating from our factory in Sheffield, we are able to supply projects throughout the UK. With our comprehensive range of equipment, we offer a complete service package including:

- Site support and fixing advice
- Close tolerance cutting and drilling
- CNC routing with both 3 and 5-axis technology
- Computer optimisation of panel sizes to ensure wastage is kept to a minimum
- Blind drilling for secret fix systems
- Edge profiling and face grooving

We have a close working relationship with our suppliers and are able to offer all leading cladding brands as shown below.

- Rockpanel and Rockpanel FS Extra which achieves A2 reaction to fire classification
- Equitone Fibre cement cladding which achieves A2 reaction to fire classification
- Etex range of Equitone Fibre Cement Facadel Cladding
- Trespa Meteon – External HPL Laminate
- Valcan
- Abet MEG Exterior Laminate
- Cembrit

We also supply a range of support structures and fixing accessories from the following partners:

- Plastestrip
- Nvelope
- Ejot UK
- Mainline Products



### Trespa

An external grade decorative high-pressure laminate.



### Abet - MEG Laminate

An external grade decorative high-pressure laminate.



### Equitone

An external grade fibre cement cladding board.



### Rockpanel

External cladding board manufactured from sustainable rock fibre.



## Our service

We are committed to delivering the highest customer service and will work with customers to understand their needs and offer a tailored approach.

We are centrally based, less than five minutes from Junction 31, M1 which makes it convenient for collecting and / or site delivery of materials.



**For more information or to place on order, contact us**

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