



TECHNOPOL SA
ENERGY SAVING MATERIALS

3D Carvings

Product description

Technopol's FROGMill™ CNC heavy duty 4th Axis milling router offers the capabilities for creating full 3D polystyrene carvings in the following sizes (maximum single segment):

Process area/Axis:	Maximum Length:	Maximum Width:	Maximum Thickness:
XY Flatbed	2650mm	1250mm	254mm
Lathe/Rotary	1800mm	Ø488mm	Ø488mm

Larger parts can be created by assembling several segments together. Depending on the design, we could create interlocking puzzle joints for the customer to precisely position and join the parts into larger pieces.

Complexity and Size - Smaller intricate parts with many curves or corners may take longer to cut than larger basic parts with fewer details.

Costing - Complexity and size from a one-of-a-kind part to a repeating production run of hundreds, the quantity and volume of your order affects the cost.

Common 3D CAD file extensions that we are able to open are the following:

- .IGS or .IGES, .STP or STEP, .STL, .OBJ.

Common 2D CAD file extensions include the following:

- .DWG, .DXF.

We also have an eminently broad variety of existing electronic 3D models at hand for customers to choose from or we can source or design a specific required model.

Carved models can also be coated with polyurethane to prevent corrosion, resist abrasion and impact damage and provide a reliable rigid waterproof lining. This coating is durable and can last up to 10 years.

Endless Solutions:

The following applications are included but not limited to:



Architectural foam



Scenic Design



3D Relief Carvings



Set Design



Characters/Busts



Foam Packaging



Mould for casting



Special Events



3D Signs & Billboards



Props