

engineering excellence in plastics



Robix Ltd has over 50 years experience in the production of semi finished and finished components in engineering polymers and high performance plastics.

Using a variety of production techniques we manufacture stock shapes in rod and tube for machining, and finished components.

We supply customers across Europe and the world from the following industries:

- Defence
- Industrial engineering
- Medical
- Motor sport
- Nuclear
- Oil and gas industries



defence



oil and gas



engineering excellence in plastics

extrusion

> finished

> rings

> near finished

> flat plate

injection

> semi finished

> custom mouldings

moulding

> stock shapes

> encapsulation

> rods

> components

transfer

> tubes

> prototypes

moulding

> discs

Large extruded Rings

Robix has listened to and worked closely with our customers to develop a method of extruding and joining large diameter rings, used in the oil and gas industry.

Our unique production methods enable us to supply rings up to 2.4 metres in diameter, and we have plans to increase the maximum size available to 4 metres. We currently manufacture large rings in both natural and filled PEEK for machining.



custom mouldings

Metal replacement

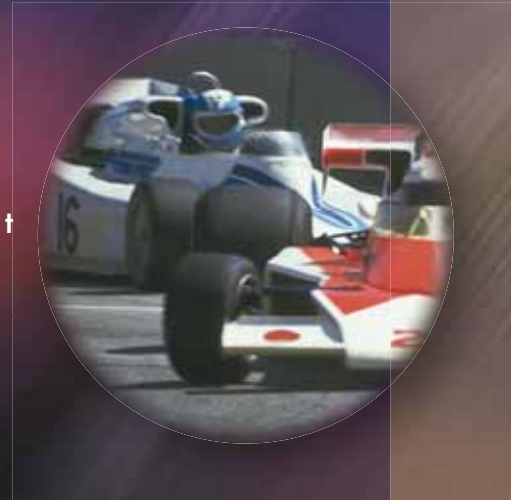
Robix are supplying near net shape products for machining which are replacing metal components in high performance engines.

We currently work with and supply some of the highest profile F1 teams, helping these customers reduce component weight and improve engine performance.

Robix has developed its own grade of filled PEEK which was designed to improve stability of the polymer during machining without affecting the performance of the material.



motor sport



aerospace



Aerospace

Robix is a key manufacturer of both semi finished and finished components supplying customers worldwide.

We supply semi finished rods and tubes that are machined into engine components and seals, as well as finished components for the fuselage of the Eurofighter.

Insert moulding

Robix has specialist knowledge of insert moulding PEEK into components being used in the most difficult and challenging conditions.

Our expertise means we are first choice for customers developing and manufacturing down hole electrical connectors and instruments used in the oil and gas industry.

So whether you are looking to prototype new materials or require a custom low volume manufacturing solution, Robix has the technology, experience and knowledge to help.

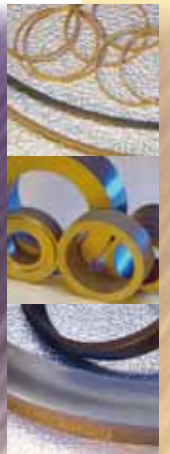
engineering excellence in plastics



drilling



marine



Unit 5, Smitham Bridge Road, Hungerford

Berkshire RG17 0QP United Kingdom

tel: +44 (0)1488 662218

fax: +44 (0)1488 680938

email: info@robixltd.co.uk

www.robixltd.co.uk

Transfer moulding

Robix specialises in the production of thick wall section tubes for machining in technical polymers such as PEEK, PEI, PBS etc.

We have many years experience and production know how and are capable of producing tubes with minimal diameters up to 380mm, and a maximum shot weight of 5kg.

Our engineers work to the highest standards producing components to the tightest tolerances.

Extrusion

The Robix extrusion lines can produce made to order rod and tube from 1 metre to 1000s of metres.

We have a range of proprietor owned tools which range up to a maximum diameter of 100mm.

Robix extrudes natural and filled PEEK and much more, giving all our customers a cost effective low volume solution.



medical



industrial

Injection moulding

Robix engineers have pioneered and perfected a method of injection moulding thick wall sectioned components, using low cost tooling and production methods.

Our injection moulding department is set up to produce low volume injection and specially moulded products in a range of engineering polymers.

We work closely with our customers to develop their products from prototyping, through to production volumes.

engineering
excellence
in plastics

extrusion

injection
moulding

transfer
moulding



Unit 5, Smitham Bridge Road, Hungerford

Berkshire RG17 0QP United Kingdom

tel: +44 (0)1488 662218

fax: +44 (0)1488 680938

email: info@robixltd.co.uk

www.robixltd.co.uk

an EnPro Industries company