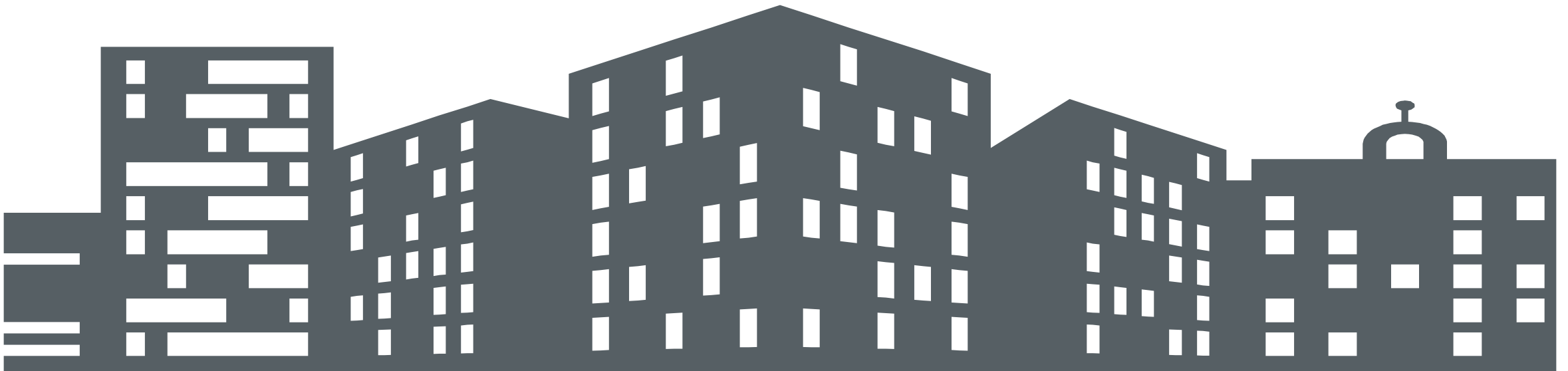




FLUOROCARBON

FLUOROCARBON PRESENTATION



ABOUT THE COMPANY

Founded in 1962, Fluorocarbon is a leading innovator in Fluoropolymer products, and specialises in the design and manufacture of Complex Machined Components, High-Performance Sealing Systems, Structural Bearings and High-Performance Coatings.

With customers who are worldwide leaders across many business areas, Fluorocarbon ensures its products and services are focused on meeting the increasing technical demands of extreme environments.

The Fluorocarbon Group has manufacturing sites and sales offices in the UK and Europe, and partners globally.

We aim to offer our customers cost-effective solutions at the highest quality from material selection, manufacturing, and distribution.

Our solutions have been installed in more than 60 countries and across all continents.

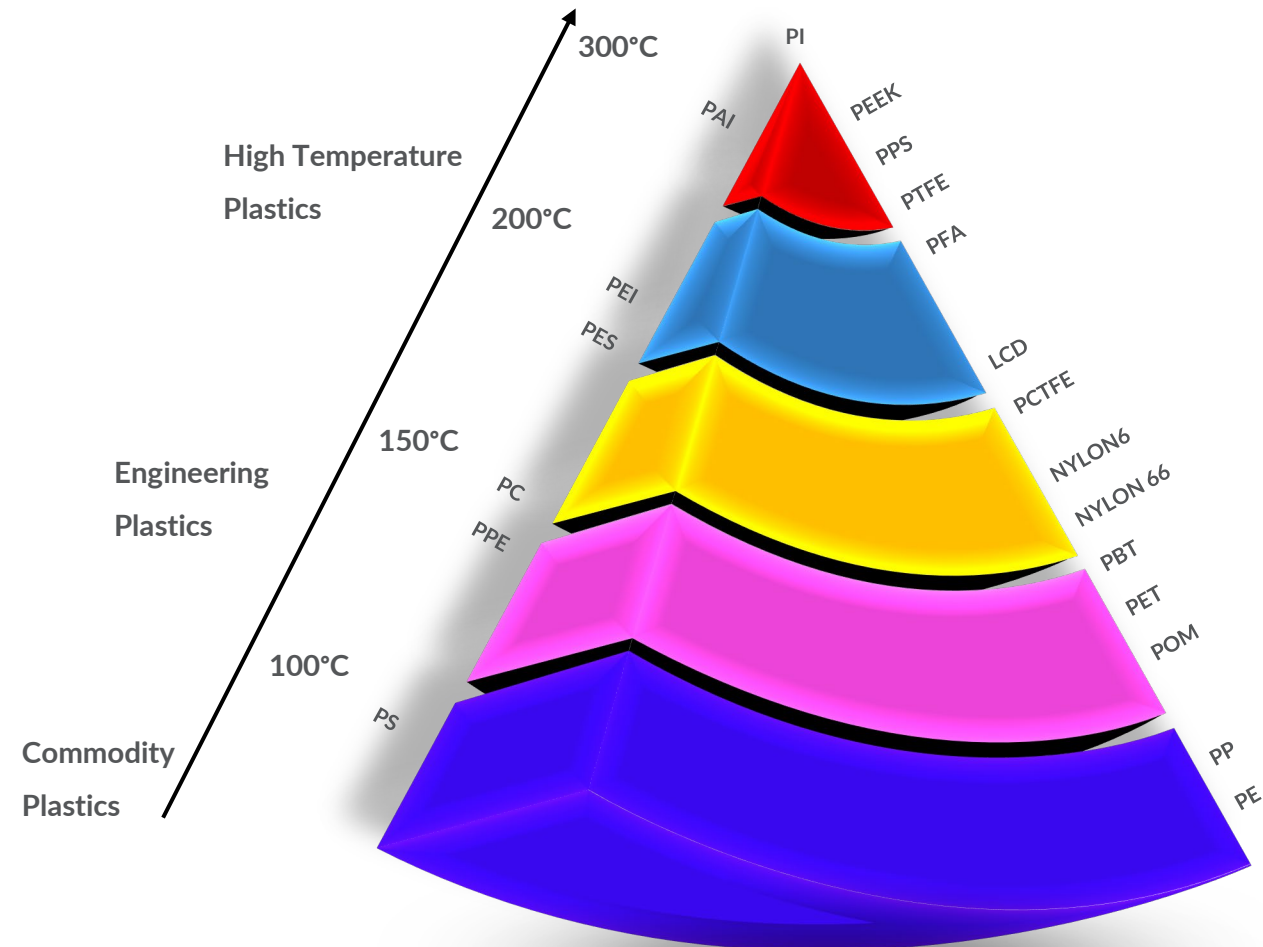


FLUOROCARBON

MATERIALS

Based on elastomer, PTFE and thermoplastic technologies, our Fluorinoid® company register includes over 500 materials that offer exceptional characteristics enabling them to operate in demanding environmental conditions at temperatures over 300°C.

High-performance plastics: PTFE, PCTFE, PEEK, PFA, FEP, ETFE, ECTFE, PPS, PES, PVDF, nylons...



OUR PRODUCT LINES

Fluorocarbon specialises in high-quality, semi-finished stock shapes and the manufacture of complex machined components, moulded components, sealing solutions, slide bearings and skidways systems.

Our aim is to offer our customers cost-effective solutions at the highest quality from material selection, manufacturing, and distribution.



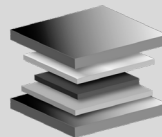
Semi-Finished



Engineering & Subcontracting



Fluid Management



Structural Bearings



Coatings

OUR FACILITIES, AND PRODUCTION PROCESSES

FLUOROCARBON POLYMERS SRL:

- 4776 Sqm Factory & Offices in Romania
- CNC Machine Tools – Capable of machining 2mm Diameter to 1500mm Diameter
- Presses capable of producing moulds from 25 mm up to 1650 mm by using Hot & Cold Compression Moulding Processes
- Ovens
- Large capacity freezers
- Sieving equipment



OUR FACILITIES, AND PRODUCTION PROCESSES

FLUOROCARBON LIMITED:

- 565 Sqm Offices & 2820 Sqm Factory in Manchester
- Hydraulic presses for cold compression moulding
- Skiving machines
- Tape slitting machines
- Etching plant
- Extruders
- Injection moulding machines
- Tunnel blaster
- Multidaylight hydraulic press



OUR FACILITIES, AND PRODUCTION PROCESSES

FLUOROCARBON SURFACE TECHNOLOGIES

If you are in the design stage, it is not too soon to consult us!

Working with our customers to understand their needs, our

breadth of experience and technical expertise ensures we

recommend the most accurate and cost-effective coating solution

for chemical or environmental protection, low friction, non-stick

and decorative coatings.

F-LON® coating systems can solve numerous problems including:

- Low friction/abrasion resistance
- Corrosion / chemical resistance
- Cryogenic stability
- Electrical properties
- Heat resistance
- Water resistance
- Non-stick/release



THERMOLON™



OUR FACILITIES, AND PRODUCTION PROCESSES

FLUOROCARBON SURFACE TECHNOLOGIES:

- 1262 Sqm Factory in Manchester
- Automated spraying machines
- Wet and powder coating spray booths
- Industrial batch and conveyor ovens
- Automatic and manual blasting machines



OUR CAPABILITIES



MILLING

The milling department has the capability of machining both simple and complex components on its CNC 4th axis machines, with the ability of machining relatively small components to large components covering a range up to 950mm x 500mm.



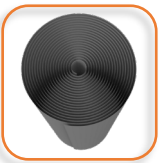
TURNING

The turning department hold a number of lathes from conventional machines including CNC lathes with bar feeders to support volume production to lathes with live tooling and 4th axis, to support the manufacture of cost effective turned/milled components. With capabilities from 1mm to over 1500mm, we offer 3D milling that is supported by the latest CAD cam connectivity.



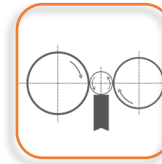
ASSEMBLY CAPABILITIES

The manufacturing department not only has the ability of machining components to drawing but can also provide a service of assembling machines components into sub-assemblies or final assemblies to support customer requirements.



ETCHING

Our Fluorotech® Sodium/ammonia process is the most effective etching medium available. The solution is freshly mixed for each specific batch to ensure the highest quality and all etching and testing is carried out to Rolls Royce RPS 407 standard and certified to our ISO 9001:2015 quality system.



GRINDING

We offer grinding services, providing a high surface quality and narrow tolerances, which produces round rods that are easily further processed and are suitable for continuous production processes.



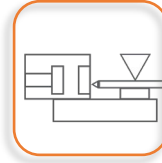
ANNEALING

Our annealing process involves the thermal treatment of semi-finished materials providing dimensionally stability during and following processing, meaning materials can also be better processed by machining.



DE-BURRING

We provide a de-burring service, eliminating the flash that can remain after milling, grinding, or turning. De-burring improves the quality of the surface of the finished components.



INJECTION MOULDING

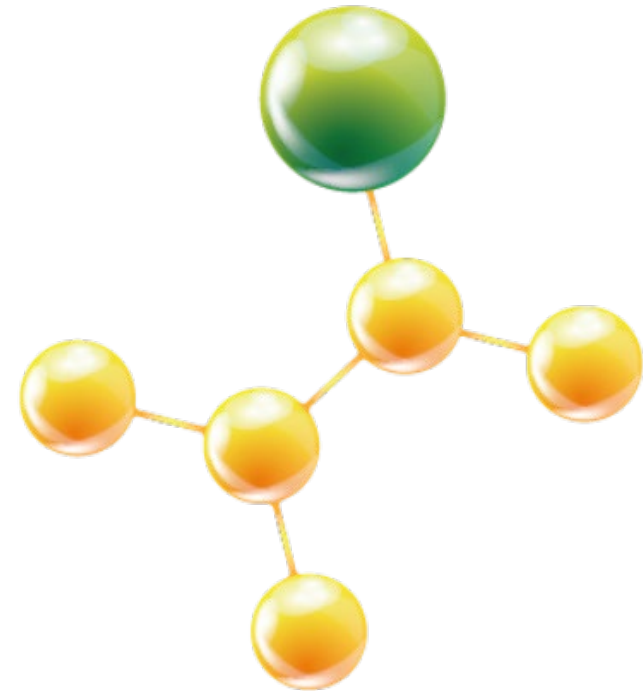
High temperature molding capabilities with over molding expertise, offering small volume bespoke IM support in a range of HP materials, PEEK, PFA, ECTFE including filled grades

RESEARCH & DEVELOPMENT

Offering design, development and laboratory testing facilities to handle projects from concept to full scale manufacture, our team of qualified R&D engineers and material specialists carry out on-going new material and product development projects.

Using our strong relationships with worldwide partners we offer engineering solutions tailored to suit specific applications.

- Advice on materials selection from our range of over 500 grades of material
- Development of special products for which no standard products exist
- Adaptation of existing products to meet new requirements
- Development and improvements to manufacturing capabilities
- On-site consultations
- Non-disclosure & Joint development agreements
- State of the art CAD/CAM technology
- Laboratory testing including polymers physical properties testing



APPROVALS & CERTIFICATES



THANK YOU!



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