



Get in Touch:  
**+44(0) 845 2505 100**

# MACHINING CAPABILITIES

Fluorocarbon Company Ltd

Fluorocarbon are pleased to announce, we now have a larger capacity space for Machined components and Seals.

Offering a comprehensive range of high performance plastic machining capabilities ranging from PTFE, PEEK, PFA, FEP and Nylons, to Ferrous and Non-Ferrous metals and other specialist materials. We can provide the flexibility of manufacturing one off development prototype components to volume production batches.

Our site in Romania, operating from a purpose built production facility, holds a large number of machines and tooling to support the polymer and metal machining customer requirements, from conventional machining to CNC machining to Milling, Turning and Grinding.

## 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 holds 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 machined components into sub-assemblies or final assemblies to support customer requirements.



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## Other Capabilities

**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 finished components.



Find out how Fluorocarbon can help your company  
improve efficiency and save money at  
[www.fluorocarbon.co.uk](http://www.fluorocarbon.co.uk)  
email [info@fluorocarbon.co.uk](mailto:info@fluorocarbon.co.uk)  
or call us on 0845 2505 100



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| CNC Machine - at our Hertford site with Aerospace & Rolls Royce Approval    | Description                           | Capacity DIA - Length |         |
|---|---------------------------------------|-----------------------|---------|
|   |                                       | min                   | max     |
| Doosan Puma GT210   | X and Z Axis - Lathe                  | 300 mm                | 600 mm  |
| Doosan Puma 2600M with Live Tooling   | X, Z and C Axis -Lathe                | 300 mm                | 800 mm  |
| XYZ Proturn SLX 1630  | X and Z Axis - Lathe                  | 200 mm                | 600 mm  |
| Doosan Lynx   | X, Y, Z & C + sub spindle and B Axis  | 300 mm                | 600 mm  |
| Colchester Tornado A90  | X and Z Axis - Lathe                  | 240 mm                | 600 mm  |
| Colchester Tornado 210  | X and Z Axis - Lathe                  | 240 mm                | 600 mm  |
| Colchester T8MSY with Live Tooling  | X, Y, Z & C + sub spindle with B Axis | 300 mm                | 600 mm  |
| Hurco VM1 with Spindle probe  | 4th Axis - Mill                       | 355 mm                | 655 mm  |
| Hurco VMX42 with Spindle probe  | 4th Axis - Mill                       | 610 mm                | 1060 mm |
| Manual Machine - at our Hertford site with Aerospace & Rolls Royce Approval | Description                           | Capacity DIA - Length |         |
|   |                                       | min                   | max     |
| Colchester Triumph 200  | Manual Lathe                          | 320 mm                | 1000 mm |
| Colchester Mastiff 1400   | Manual Lathe                          | 450 mm                | 900 mm  |
| Shizuoka x 2  | Manual Mill                           | 800 mm                | 1000 mm |
| CNC Machine - at Romanian Facility  | Description                           | Capacity DIA          |         |
| Doosan Lynx 220B  | X & Z Axis -5346                      | 320 mm                |         |
| Doosan Lynx 220 LM  | X, Z & C Axis                         | 250 mm                |         |
| Doosan Lynx 220B  | X & Z Axis -5405                      | 320 mm                |         |
| Doosan Lynx 220G  | X & Z Axis                            | 250 mm                |         |
| Tornado T310  | X & Z Axis                            | 300 mm                |         |
| Doosan Puma 280 M   | X, Z & C Axis                         | 400 mm                |         |
| Tornado A50   | X & Z Axis                            | 170 mm                |         |
| Tornado 80  | X & Z Axis                            | 170 mm                |         |
| Tornado 10  | X & Z Axis                            | 360 mm                |         |
| Tornado 210   | X & Z Axis                            | 250 mm                |         |
| Tornado T8M   | X, Z & C Axis                         | 290 mm                |         |
| Tornado T4  | X & Z Axis                            | 230 mm                |         |
| Bins & Berry 1  | X & Z Axis                            | 1500 mm               |         |
| Bins & Berry 2  | X & Z Axis                            | 700 mm                |         |
| Multiturn 4000  | X & Z Axis                            | 600 mm                |         |
| Tornos Deco 26A   | Sliding Head                          | 32mm                  |         |