



PRECISION ENGINEERED
SOLUTIONS SINCE 1978



TECHNO GROUP



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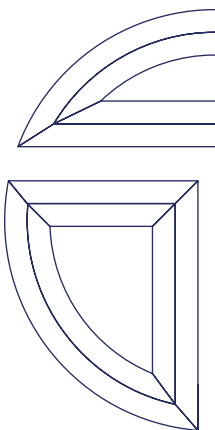
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TECHNO GROUP

With decades of experience in precision CNC manufacturing and assembly, achieving and maintaining AS9100 Rev D quality standards, Techno Group drives supply chain efficiency, component consistency and reliability through one-hit manufacturing from our fleet of multi-axis machines.

We have a worldwide reputation of excellence that we constantly strive to maintain and improve on. With over 65 people based across our strategically-located manufacturing sites in St Leonards-on-Sea (Technoturn) and Rugby (Technoset), Techno Group is ready to help you with your precision manufacturing needs.





TECHNOSET

Established in 1978, Technoset is the Midlands-based precision engineering facility and maintains the highest quality standards of our AS9100 accreditation.

We specialise in the one-hit manufacturing and assembly of ultra-high precision turned and milled components. By fully utilising our latest fixed and sliding head CNC machines with up to 13 axis, driven tooling and full turning and milling capabilities, we are able to offer a high degree of flexibility to our customers.

We manufacture turned products from 0.4mm to 200mm diameter, and milled components up to 800mm by 400mm. Our new digital production management systems record data for every step in the manufacturing journey, ensuring the highest standards are met through the most efficient processes.

Our R&D team use their specialist knowledge, working in partnership with our customers to develop product innovations and design for manufacture using Technosets advanced machining capabilities.

From Technoset we offer scheduled deliveries, Kanban systems, small (single figures) to large batches, assembled components, and will undertake the management of sub-contract processes such as heat treatment and plating enabling us to supply parts ready for production. Our secondary operations include: grinding, tumbling, deburr, blasting and burnishing.

We provide ultrasonic and also conventional cleaning processes and can fully guarantee the traceability of your products throughout the process.





TECHNOTURN

Established in 1995, Technoturn Ltd is based in St Leonards-on-Sea in the South-East, specialising in the production of high precision machined components and assemblies.

Using the latest CNC turning and milling equipment, our robust AS9100 Quality Management System ensures products are reliably manufactured to the highest quality standards.

Technoturn's turning capacity is from 1mm to 200mm diameter, available on our fleet of multi axis sliding-head and fixed-head machines. Prismatic milling capacity is also available with our range of versatile 3, 4 and 5 axis single and multi-pallet machining centres.

Our experienced team works with our customers on R&D projects, providing advice on how to develop products and transforming concept drawings into components and assemblies.

We offer a high degree of flexibility with a very strong customer focus, offering full traceability on each product produced along with scheduled deliveries, Kanban systems, small to large batches and assembled components.

Our services include secondary operations, grinding and the management of subcontract processes such as heat treatment and plating, enabling us to supply parts ready to line.

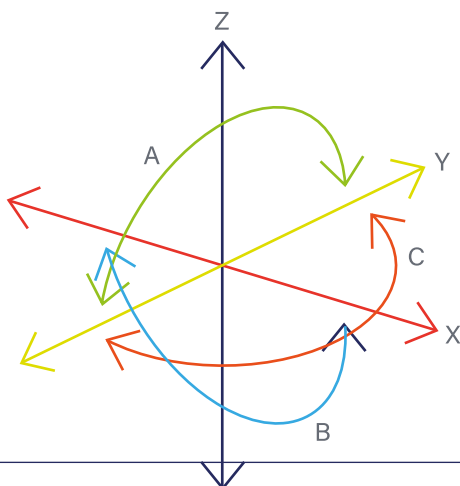


CNC milled components



Through our CNC machining centres Techno Group provide high precision 3D metal and plastic milling, consistently achieving $\pm 0.01\text{mm}$ tolerances on most materials. Our highly skilled and experience team use the latest digital management technology to maximise product quality and production efficiency to maintain our On Time Delivery.

Our machine portfolio offers a wide range of modern single, multi-pallet and robot loaded vertical machining centres, with 3, 4 & 5 axis capabilities. High pressure through spindle coolant and quick change fixturing allow both facilities to manufacture CNC milled components up to a machining envelope of $800\text{mm(l)} \times 400\text{mm (d)} \times 400\text{mm(h)}$.





CNC turned components

Operating two advanced CNC turning facilities in the UK, our wide range of multi-axis, fixed and sliding head turning centres are equipped to deliver "one-hit" machining for the industry sectors we supply.

Our lathes are suitable for a wide range of materials and allow us to produce components from 0.4mm to 200mm in diameter, and shaft products up to 2000mm in length.

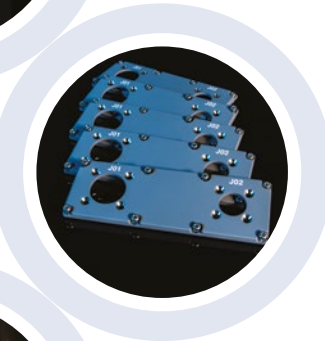




Assembled components

To offer a total manufacturing solution and to add value, we supply parts assembled or in kit form to the specification of our customers.

These CNC machined component assemblies and kits are supplied into multiple sectors, and are dispatched directly in the UK or exported globally. Our assembly department continues to grow and develop to offer our customers mechanical assembly, bonding and some electrical fitting services together with the supply of component kits in bespoke protective packaging.





Manufacturing solutions



With over 40 years of experience, Techno Group is a leading supplier of precision engineering. From start to finish, we supply complex, machined CNC components and assemblies that meet exacting standards to a wide range of market sectors.

By collaborating with our customers, we improve their supply chains by providing faster manufacturing times, greater accuracy and full traceability, one-stop manufacturing, stocking and flexibility.

Our aim is to continuously develop as an organisation and as a supply partner to our customers. In all, our passion lies in our aspiration to be the best as we strive to exceed customer expectations and deliver quality solutions.

- ⊕ Project management and engineering solutions
- ⊕ Dedicated engineers who will consult from design to manufacture to production
- ⊕ Supply of fully assembled/kitted packages
- ⊕ Full product traceability through to material melt source
- ⊕ Bespoke packaging solutions
- ⊕ Stocking agreement and supply to KANBAN



Added value services

As well as our core CNC services, Techno Group provides extra services to enhance our overall offering, including:

- ⊕ Heat Treatment & Surface Treatment
- ⊕ Grinding
- ⊕ Honing
- ⊕ Bead & Grit Blasting
- ⊕ Laser cutting
- ⊕ Painting
- ⊕ Sheet Metal Work
- ⊕ Welding & Fabrication
- ⊕ Water Jet Cutting
- ⊕ Ultrasonic cleaning

Our supply chain management benefits from over 40 years of experience and a passion for what we do. We supply complex, machined components and assemblies that meet exacting standards to a wide range of market sectors.

We improve our customers' supply chains by providing faster manufacturing times, greater accuracy and full traceability, one-stop manufacturing, stocking and flexibility.

In all, we strive to exceed customer expectations and deliver quality solutions through our huge network of trusted ISO9001, NADCAP and AS9100 material suppliers ensures that quality remains throughout the supply chain, meaning we pass the benefits onto the customer.



Quality assurance

Techno Group's reputation rests upon the high quality of the machined components we supply from our manufacturing sites. Quality assurance is everyone's business and getting it right first time and maintaining our AS9100 standards is our primary aim.

As a make-to-print organisation, we manufacture components to our customers requested specifications. Should we find an error, we apply a rigorous "root cause" methodology, and the target is process capability, which is monitored. This keeps the focus on quality, cost and delivery performance.

Our high precision contact and optical measurement systems allow us to tackle the most difficult inspection challenges and provides seamless reporting of measurement data for Statistical Process Control (SPC).

Techno Group's thorough Quality Management System (QMS) is process-based, making it simple to access and easy to navigate. This makes it a very user-friendly system which links all aspects of our businesses operations. It enables Techno Group to meet and exceed our customers quality expectations and the requirement of our group's approvals. Both Technoset and Technoturn have achieved the AS9100 Rev D aerospace quality accreditation and BS EN ISO 9001.

Our QMS is constantly monitored by an independent auditor, and is regularly updated to reflect changes as process improvements are implemented. We are also proud to have received the bronze certificate in Supply Chain for the 21st Century (SC21) at Technoset that recognises that Techno Group constantly strives to deliver innovation, through life solutions and competitiveness for our customers.

Plant list

TECHNOSET

Sliding Head Turning

(0.4mm to 32mm diameter)

- 2x Tornos Gamma 20/6
- 1x STAR SB12
- 2x STAR SR20 R3
- 1x STAR SV20
- 1x Citizen M32 V4
- 1x Citizen M32 V5 LFV

Fixed Head Turning

(Up to 64mm diameter bar feed & 220mm diameter billeting)

- 1x Citizen Miyano ABX51
- 1x Citizen Miyano BNE51
- 2x Citizen Miyano ABX 64
- 4x Citizen Miyano BNJ42 SY5

Machining Centres

- 1x DMG Mori M1 Pro 3 Axis Machine
- 1x DMG Mori DMU50 3rd Gen with ABB Flexloader 3000
- 2x Doosan NM500 with Nikken Rotary A-Axis

Measurement

- Mitutoyo Apex Quick Vision
- ViciVision MTL X5
- Aberlink Axiom CMM
- Starrett Horizontal Shadowgraph

TECHNOTURN

Sliding Head Turning

(0.4mm to 32mm diameter)

- 4x Star SB-20R TYPE G
- 1x Star SR20R IV TYPE B
- 1x Star SR20R III
- 1x Star SA-16R
- 1x Star SW12R II
- 1x Tornos GAMMA 20/6
- 1x Citizen L20E -2M8
- 1x Citizen K16 V11P

Fixed Head Turning

(Up to 64mm diameter bar feed & 220mm diameter billeting)

- 1x Citizen Miyano BNE-51SY5
- 5x Citizen Miyano BNJ-42SY
- 1x Citizen Miyano ABX51-TH2
- 1x Citizen Miyano ABX64-TH5

Machining Centres

- 1x Doosan MYNX NM410 (4-axis)
- 1x Doosan DNM400 (4-axis)
- 2x Doosan DNM500 (4-axis)
- 2x Doosan VC510 (4-axis, twin pallet)
- 1x Matsuura MX-330 PC10 (5-axis, 10 pallet)
- 1x Matsuura MAM72-35V (5-axis, 32 pallet)

Measurement

- Aberlink Axiom Too CNC CMM
- OGP SmartScope ZIP 250 Video System
- Precihite 600 Magna Digital Height System
- Comprehensive range of traditional measurement equipment



TECHNOGROUP

Precision Engineered Solutions since 1978



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aerospace
sector
certification
scheme

