



METALTECH PRECISION

PART OF EXPROMET TECHNOLOGIES GROUP



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ABOUT METALTECH PRECISION

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Total manufacturing has been the ethos of Metaltech Precision Ltd as the extensive plant list illustrates. CNC Turning, CNC Milling & 5 Axis Machining all coupled with automated loading systems enables us to be competitive on virtually any batch size and in any material.

Metaltech is part of privately-owned precision engineering group, Expromet Technologies Group, that also owns Investacast, a leading global supplier of investment castings, pressure die castings and forgings, with a manufacturing base in Ilfracombe, Devon, and a network of supply chain partners throughout the world; and Haworth Castings, a specialist in manufacturing fully-tested, machined and finished sand and gravity die castings, located in Romsey and Basingstoke, Hampshire.

Grinding, Fabricating, Shotblasting, Painting, Assembly and Testing complement our extensive machining capabilities. We are as comfortable with a 5 tonne fabrication as we are with a batch of high-precision 3mm diameter parts machined on our sliding heads.

At Metaltech Precision, we pride ourselves on our 'Investment in People' culture, which is backed up by OHSAS 18001 Occupational Health & Safety accreditation. Our company believes in an ongoing commitment to training and development of its staff whilst ensuring Health & Safety remains at the forefront of all change.

Our low-cost base and extensive facility in rural Somerset, makes us the ideal partner for your resourcing or reshoring requirements. We will even design and install dedicated CNC machining cells to produce your parts, with no risks to your supply and at fixed-costs. This, coupled with our extensive investment in the latest CNC equipment, helps to keep us at the forefront of UK Precision Engineering.

METALTECH SERVES A WIDE RANGE OF MARKETS

- Aerospace & Defence
- Automotive
- Electronics
- Marine
- Medical
- Pumps, Pressure & Flow Control Valves
- Oil & Gas
- Lifting Equipment
- Rail Industry

MACHINING CAPABILITIES



CNC VERTICAL TURNING

For large vertical CNC turning, our Doosan Puma vertical CNC turning machines are designed for long term accuracy with a component capacity of up to 1250mm diameter and 2 tonne in weight. Our machines have milling capability for one hit manufacture reducing number of operations and hence lead-time to our customers.



CNC FIXED HEAD TURNING

We have invested in over 20 CNC fixed head CNC turning centres complementing our vast range of machining capabilities. Our extensive fixed head CNC turning capacity enables us to offer cost-efficient turned parts from 40mm diameter to 600mm diameter in any volume.

CNC SLIDING HEAD TURNING

A dedicated CNC sliding head machining facility gives us the capacity to offer production of cost-effective precision turned parts. No matter how complex your requirements are, we offer a reliable and quick turnaround service on CNC turned parts in a wide-range of material grade options.

MULTI-TASKING CNC

We have partnered with world leading machine tool manufacturers “Mazak”. In recent years we have invested heavily in the latest Mazak multi-tasking CNC machining equipment, including most recent acquisition of the Integrex i400S bringing the total to 4 Integrex’s onsite.

MACHINING CAPABILITIES



AUTOMATED GANTRY MULTI-TASKING CNC MACHINING

Gantry fed fully automated multi-tasking machines complement our extensive range of CNC machining operations. Our high-accuracy gantry loaded CNC machines enable us to offer extremely competitive prices on medium-to-high volume batch runs of turned components.

CNC MILLING

As well as having strong 5 axis CNC milling capabilities, we also utilise the latest in 3 and 4 axis CNC milling. Our 3 and 4 axis vertical and horizontal milling capacity provides maximum machining envelope of 3000mm x 800mm. With over 15 CNC milling machines available many with twin pallet capabilities and other varying operational capacities, we offer competitively-priced production of machined parts.

5 AXIS MACHINING

An impressive array of 5 axis CNC machining centres, allow us to produce incredibly complex components for challenging applications used around the world. In recent years we have invested heavily in both Mazak and Doosan 5 axis CNC milling and machining capabilities. Their versatility means they can be used for high-accuracy CNC machining in a single setup.

5 AXIS PRISMATIC MILLING

For large component and high-speed heavy-duty machining, we utilise Mazak's VTC-800/30SR 5 axis prismatic milling technology. Having a large working envelope of 3000mm x 800mm x 720mm, enables us to offer travelling column multiple surface machining of heavy and large components in a single setup.

FABRICATION CAPABILITIES

FABRICATION

Our extensive 50,000 sq ft facility served by 25 tonne over-head crange enables us to offer a one-stop-shop for your fabricated, machined, shot blasted and painted components and assemblies. Our welders are fully-coded in MIG and TIG to the latest ISO/ASME standards. We are capable of fabricating parts in plates sizes from 6mm to 100mm thick and with a total envelope size of up to 3m x 3m x 10m and a maximum weight of 25 tonnes.



SHOT BLASTING

- A fully integrated service with a 6.5m x 2.5m envelope.
- A small capacity bead blast service is also available.

PAINTING

- 6m x 5m capacity, pre-mix wet paint system complying to British Standard.
- Pre-heat and curing ovens.
- Supported by a 12t overhead crane.

QUALITY AND ASSEMBLY



QUALITY

We have developed an operating culture that relentlessly pursues the elimination of waste, variability and non-conformance which is required to compete in today's world-wide marketplace. As a preferred supplier, with 'ship to line' status to all our major customers, we are committed to the continuous improvement of both the quality of our products and quality control systems.

We have a full range of measuring equipment including 2 temperature controlled inspection facilities, housing a Coordinate Measuring Machine, surface projector and scanning facilities.

February 2015 - Accreditation awarded

Metaltech awarded ISO14001 & BS OHSAS 18001.

February 2021 - Accreditation awarded

Metaltech awarded ISO 45001

December 2023 - Accreditation awarded

Metaltech awarded AS9100 Rev D & ISO 9001:2015



ASSEMBLY

Why not allow us to help you reduce your procurement requirement by receiving fully-kitted assemblies or component kits rather than purchasing numerous individual parts. As a key-part of the supply chain we understand that many of our customers now require a one-stop-shop and sub-assemblies are an important part of their purchasing process.

Our fully-equipped, clean assembly area can cater for all of your requirements. This is supported by our fully-skilled team of engineers.

CONTACT US



OUR 50,000 SQ FT FACTORY IS FULLY SUSTAINABLE, POWERED BY OUR ON-SITE AND PURPOSE BUILT SOLAR FARM

We offer a range of high-precision machining facilities rarely matched in the sub-contract industry. Implementing lean-manufacturing techniques and shop floor data collection, we are able to remain at the forefront of UK precision engineering.

With over 50 CNC machines and 80 staff, we can offer a diversity of supply from sliding head turning to a fully welded and painted 10 ton fabrication.



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We value our customers and take pride in the quality of the skills and services that we offer.



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Whatever the size or complexity of your project, please give us a call and we will be able to assist you with everything from design to manufacture.



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