

Tridan

The **essential** engineering component



Introduction

Tridan Engineering, established in 1968, provide a CNC machining and assembly service to companies in the UK, Europe and USA. We have a facility of over 26000 Sq. feet and employ 60+ staff.

Using the very latest CNC machining centres, we provide standards of quality and service which, we believe, can only be matched by a few companies in the field.

We have over 20 CNC machining centres, seven of which are 5 axis, two horizontal and various vertical machining centres along with CNC turning and sliding head capability backed up by our own tooling, production engineering and inspection departments.

Our CNC machining centres enable us to manufacture a wide range of precision components, from prismatic parts to large castings and prototype to production batches in a wide variety of materials.

We can provide the full range of services expected from a modern engineering partner with all special processes being completed by our approved supply chain.

Our facility is complimented by our manual finishing and air-conditioned assembly area where we can offer mechanical assembly from dowel pins and helicoils to full assemblies including wire locking, fabrication and finishing processes.

As a team we thrive on building partnerships and providing solutions for customers and all their manufacturing requirements, from machined parts to fully finished and painted assemblies.

For further information on Tridan and what we can do for you, please visit tridan.co.uk

Alternatively email our sales team - tridansales@tridan.co.uk or simply give us a call on +44 (0)1255 424937.





Tridan are certificated to EN9100, ISO14001 and JOSCAR.

An approved supplier to major organisations throughout the UK, Europe and USA, we supply parts to all sectors from aerospace and defence to the food industry.



CNC Milling

- 5 Axis machining – 7 off Mazak machining centres including Pallettech (6 pallets).
- Horizontal machining – 2 off Mazak machining centres
- Vertical machining including 4th Axis – 5 off machining centres.

Our CNC milling capabilities range from those able to machine components as large as 1660mm x 500mm x 675mm and others sensitive and fast enough to machine the most delicate components, with 5 Axis capability up to 850mm diameter x 700mm and multiple pallet loaders to assist with efficiencies.

Rotary (4th Axis) is also available on both the larger and smaller machines offering total flexibility on round as well as prismatic parts.

Most machines are a twin pallet configuration as well as a 6 pallet automated system with up to 120 station tooling carousels.





With the investment of our Mazak 5 Axis i500 and 6 pallet automated system, we can maximise the output of the machine shop by running similar parts together with very little downtime of the machine spindle and lights out operations. The system brings advanced, pre-engineered automation to today's machining environment.

The Pallettech Manufacturing Cell (PMC) controller can monitor operations, view and change schedules on-the-fly and still have the versatility to keep production moving as well being able to interrupt a planned machining queue and produce that urgent requirement for the customer.



CNC Turning

- Large Turning – 2 off Mazak turning centres
- Driven Tooling - 1 off Mazak Quick Turn
- Mill/Turn - 1 off Mazak twin spindle MSY
- Sliding Head – 1 off Star ST38
Up to 40mm diameter

Our CNC turning capability is up to 450mm diameter x 1500mm long, alongside bar feed machines with twin spindle and driven tooling. This enables us to turn the most complex components within microns, as well as mill-turn.

We can machine parts up to 40mm diameter with our Star ST38 Sliding Head machining centre, which enables us to produce the most complex parts in one set up.



Assembly

Our machine shop is complimented by a manual finishing department, and a bespoke assembly area, where we can offer complete mechanical/ electrical assemblies from basic wire insert fitting to complete assemblies with wire locking, fabricated, plated, and painted parts etc. ready to go direct to your production lines and straight to your customer.

The assembly area has additional features such as part marking facilities, downdraft benches and ultrasonic cleaning, as well as being temperature and humidity controlled.



Scan to contact
the Tridan team:



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A photograph of a two-story red brick building with a dark roof. The building has several windows with dark frames. The text 'TRIDAN ENGINEERING LTD' is mounted on the brick wall in large, white, sans-serif capital letters. Below the name, there is a circular logo with the letters 'EE' inside. The building is surrounded by a paved area and some greenery.

TRIDAN ENGINEERING LTD

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