

# Tercet Group Headquarters

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## Tercet Precision s.r.o.

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Based in Paisley in the West of Scotland, Tercet Precision Limited occupies a modern factory close to motorway routes and Glasgow Airport. From this point overnight shipments are made daily to customers throughout the UK, Europe and North America. A forward thinking management ensures that the factory operates an efficient computer controlled manufacturing system able to respond to customer demand on a "just-in-time" basis.



### Company Overview

**Products & Services:** Sub-contract precision slender shaft and turned component machining, centreless grinding, electro-mechanical assemblies, electroplating and metal finishing

**Employees:** 55

**Machine Count:** 23 CNC Machines, 25 Conventional Machine Tools

**Manufacturing Area:** Total of 36,000 sq ft of modern factory space on one level

**Quality Approvals:** Certified to BS EN ISO 9002 2008

**We have 23 CNC Sliding Head Automatics Machines and plus a rotary Transfer Machine:**

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3 **STAR SA12 CNC** Swiss type sliding head auto - **12mm** dia with six axis control of seventeen tool stations (three of which are powered tools) and a pickup spindle for backworking of parted off components, with **FMB minimag** automatic magazine bar loader.



7 **STAR SB16 CNC** Swiss type sliding head auto's - **16mm** dia with six axis control of twelve tool stations (three of which can accept powered tooling) and a pickup spindle for backworking of parted off components, with **FMB minimag** automatic magazine bar loaders.

1 **CITIZEN A20 CNC** Swiss type sliding head auto - **20mm dia** with six axis control of seventeen tool stations (five of which are powered tools) and a pickup spindle for backworking of parted off components, with **FMB 3-26**

automatic magazine bar loader.

4 **STAR SR10J CNC** Swiss type sliding head auto - **10mm** dia with six axis control of twelve tool stations (three of which can accept powered tooling), and a pickup spindle for backworking of parted off components, with **FMB minimag** automatic magazine bar loader.

4 **STAR ECAS20 MULTI AXIS** Swiss type sliding head autos - **20mm dia** with six axis control of two tool slides (each slide accepting 4 turning tools and 2 powered tools) and a powered end working tool for PCD drilling etc, and a pickup spindle for backworking of parted off components, with **FMB minimag** automatic magazine bar loader.

4 **STAR SR20JC CNC** Swiss type sliding head auto - **20mm dia** six axis control of twelve tool stations (three of which can accept powered tooling) and a powered end working tool for PCD drilling etc, and a pickup spindle for backworking of parted off components, with **FMB 3-26** automatic magazine bar loader.

1 **Wolf** Indexing Table Transfer Machine Type TSM 280 with Wolf automatic bar loader for high volume shaft production, cycle times <4 seconds per part with up to 8 individual machining operations.

**We have 18 Centreless Grinding Machines:**

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**3 JAINNHER JHC-18 Centreless Grinding Machines**, thrufeed grinding cell with automatic loading and unloading of shafts.

**5 JAINNHER JHC-18 Robot Loaded Centreless Grinding Machines**, plunge grinding cell with automatic loading and unloading of shafts.

**2 JAINNHER JHC-12 Robot Loaded Centreless Grinding Machines**, plunge grinding cell with automatic loading and unloading of shafts

**6 JAINNHER JHC-12 Centreless Grinding Machines**, for plunge grinding components up to 500mm in length.

**1 NISSEI 18 AUTO Loaded Centreless Grinding Machines**, auto loading of long shafts for plunge grinding of journal ends



**We have 9 Knurling and Thread Rolling Machines:**

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**1 ORT CNC Automatic Knurling Machines**, with automatic loading and unloading of shafts.

**3 MEGA TR500 Automatic Knurling Machines**, with automatic loading and unloading of shafts.

**2 MEGA TR560 Automatic Knurling Machine**, with automatic loading and unloading of shafts.

**3 ROLLFORM 3T Knurling Machines**, for manual thread rolling and knurling.

**1 Jainnher Automatic Knurling Machine**, with automatic bowlfeed loading and unloading.



**We have extensive equipment for sub assembly of mechanical and electrical components:**

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Over 40 individual build locations in the UK and the Czech Republic

We also have automatic assembly including, riveting staking and laser weld with an automatic 400 Watt Trumpf laser system.



**And also Plating Lines for:**

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- Electroless Nickel
  - Hard Surface Electroless Nickel
  - Zinc Phosphate
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