

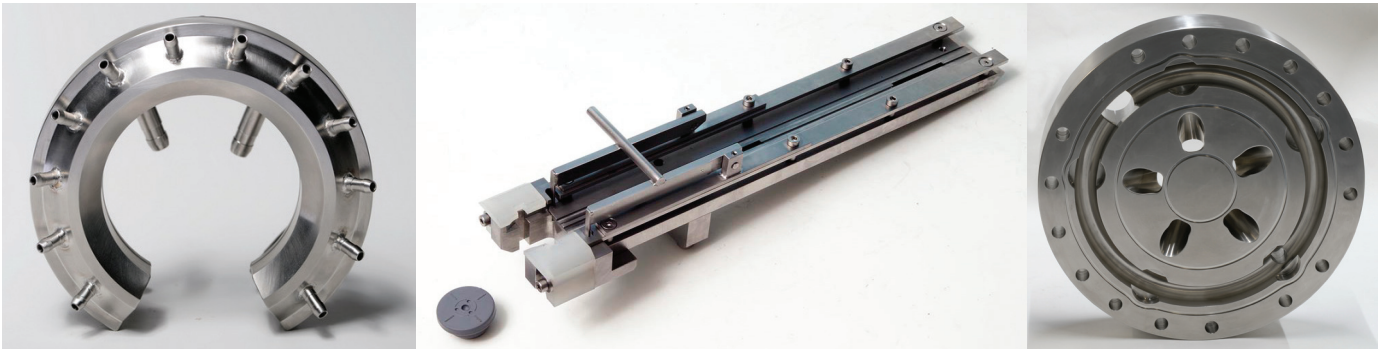


IN-HOUSE PRECISION MACHINING

BESPOKE AND BATCH CAPABILITIES

COMPLETE IN-HOUSE ENGINEERING SERVICE

- Multitask CNC Machine Tools
- Fusion 360 CAD/CAM programming
- Manufacturing in accordance with ASME BPE standards
- TSE Certified cutting fluids
- 24/7 production capacity
- Aerospace accredited
- ISO 9001:2015, EN 9100:2018 (AS9100D and JISQ9100:2016)



HIGH QUALITY COMPONENTS AND ASSEMBLIES

Our skilled engineers face the demands of multi-sector activities daily, specialising in **High Quality CNC Machining**. Custom Manufacturing, Complex Shapes or Super-Precision **Aerospace** and **Nuclear** components in **Stainless Steel, Duplex, Hastelloy, Titanium, and Aluminium**.

DEVELOPMENT CAPABILITIES

Fusion 360 computer aided design (CAD) combined with computer aided machining (CAM) integrates the mechanical and technical development of your product into a single platform, saving time and avoiding costly mistakes. The system supports **2D & 3D design, prototyping, animation, and simulation** capabilities, whilst being fully compatible with industry standard file formats such as **STEP, DWG, DXF, STL** and **OBJ**.



FULLY INTEGRATED IN-HOUSE SUPPORT

- Engineering Design
- Product and Process development
- TIG welding, Spot welding and Orbital welding
- Bead-Blast, Mechanical and Electro-Polishing to pharmaceutical standards
- Full Traceability & Certification
- 100% inspection





MACHINING EQUIPMENT CAPABILITIES

DUGARD 200 EAGLE CNC LATHE

Max turning diameter 200mm
 Max turning length 450mm
 Bar feed to diameter 2"
 Fanuc controlled with off line programming capabilities
 3D modelling and off line programming using Fusion 360

DOOSAN 220 LYNX TWIN SPINDLE CNC LATHE

Max turning diameter 300mm
 Max turning length 510mm
 Max Y axis milling 105mm
 Bar feed up to 51mm
 Fanuc controller
 3D modelling and off line programming using Fusion 360

3x DOOSAN DNM5700S CNC VERTICAL MILLING MACHINE

Table size 1300mm x 570mm
 Bed Travel X=1050mm, Y=570mm, Z=510mm
 30 tool stations
 Controller Siemens 828D
 3D modelling and off line programming using Fusion 360

XYZ SMX5000 CNC MILLING MACHINE

Table size 1930mm x 356mm
 Bed travel X=1524mm, Y=596mm, Z=584mm
 ProtoTrak controller
 3D modelling and off line programming using Fusion 360

AJAX CNC BED MILL

Table size 1270mm x 320mm
 Bed travel X=800mm, Y=508mm, Z=575mm
 Heidenhian TNC conversational programming
 3D modelling and off line programming using Fusion 360

T-DRILL 115 COLLARING MACHINE

Transportable T-115 Collaring Machine produces extruded outlets for branch connections directly on run tubes diameters 33.7mm – 323.9mm with branch tube diameters up to 114.3mm

T-DRILL 150 COLLARING MACHINE

Transportable T-150 Collaring Machine produces extruded outlets for branch connections directly on run tubes diameters 33.7mm – 550 mm with branch tube diameters up to 168.3mm

HEXAGON ABSOLUTE MEASURING ARM

Precision measuring equipment for one off and batch measuring with reporting capability. Ideal for reverse engineering items for repair and maintenance.

FIBRE LASER MARKING MACHINE

Capable of marking Anodised, Carbide, Electronics, Metals, Plastics
 Marking window 170mm x 170mm
 Maximum part height 280mm
 Flat and rotary marking for sheet and tube

A wide range of manual lathes, maximum turning diameter 750mm.

A range of manual milling, drilling, power press and 3-point rollers.

4 x Fusion 360 CAD/CAM seats for comprehensive off line programming and quick recall for repeatable machining.

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