

Plant and Capacity List

Multi-Axis Machining

DMG Mori CLX 450 TC – Universal Mill/Turn Centre with Counter Spindle

Max. workpiece diameter	400 mm
Max. workpiece length	1,100 mm
Max. bar capacity diameter	65 mm
Max. X-Axis	750 mm
Max. Y-Axis	200 mm
Max. Z-Axis	1,100 mm

DMG Mori DMU 50 – Simultaneous V-Axis Mill

Max. X-Axis	650 mm
Max. Y-Axis	520 mm
Max. Z-Axis	475 mm
Max. workpiece diameter	630 mm
Max. workpiece height	600 mm
Max. workpiece weight	300 kg

Mill/Turn

Mazak Quick Turn 200 MY Smooth – Mill/Turn Centre

1m Hydrafeed Bar Feed

Max. bar capacity diameter	65mm
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Mazak Quick Turn Nexus 200-II MY – Mill/Turn Centre

1m Hydrafeed Bar Feed

Max. bar capacity diameter	65mm
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CNC Turning

Mazak Quick Turn Nexus 100-II

1m Hydrafeed Bar Feed

Max. bar capacity diameter 50.8mm

CNC Milling

Mazak Nexus 510C-II Vertical Centre with IV-Axis

Max. X-Axis 1050 mm

Max. Y-Axis 510 mm

Max. Z-Axis 510 mm

Mazak Nexus 410A-II Vertical Centre with IV-Axis

Bridgeport VMC 600

530 Control

Bridgeport VMC 1000 with IV-Axis

Max. X-Axis 1020 mm

Max. Y-Axis 510 mm

Max. Z-Axis 500 mm

Bridgeport VMC 560

DMG Mori M1 Vertical Centre with IV-Axis

Sliding-Head Turning

Star SB12R type G

Max. bar diameter Ø12.7mm

Hanwha XD25II-V

Max. bar diameter Ø26mm

Star SR20R

Max. bar diameter Ø20mm

Fabrication

Laser Welding

TIG Welding

Assembly

Finishing

Laser Part Marking

Media Blasting

2 x Media Blasting Cabinets for Aluminium Oxide and Glass Bead media

Ultra-Sonic Cleaning

3 x Ultrawave Qi-400 30L Ultra-Sonic Cleaning Baths

Plastic Coating

Manual Machines

Bridgeport Mill

Colchester Student Centre Lathe

Myford Cylindrical Grinder

Jones and Shipman Surface Grinder

Delapena Honing Machine