

CNC Turning.

Including offline programming.

1 x - Hardinge GS-200 MSY CNC Mill / Turn Centre.

Fanuc Series 18i – TB control.

Both main & sub spindles are wrap around digital motorised. Both are chilled by an external chiller unit. Both have “C” Axis.

12 station driven tools with “Y” axis on the Vdi Turret.

Laser parts away monitor on the sub spindle.

Renishaw probing.

Parts catcher & conveyor.

Swarf conveyor.

Samsys 3000 magazine bar feed.

1 x - Hardinge Elite 8/51 CNC Mill / Turn Centre.

Fanuc Series 18i – TB control.

Both main & sub have “C” Axis.

12 station driven tools.

Renishaw probing.

Parts catcher.

Swarf conveyor.

Hydrafeed magazine bar feed.

1 x - Hwacheon Hi-Tech 200B CNC Mill / Turn Centre.

Fanuc Series Oi – TC control.

“C” Axis.

12 station driven tools.

Renishaw probing.

Parts catcher.

Swarf conveyor.

Bar puller.

1 x - Hass SL10 slant bed CNC Lathe.

Hass control.

Parts catcher.

Bar puller.

1 x - Hardinge CHNCII CNC Lathe.

Fanuc Series GN10 control.

Parts catcher.

Hardinge bar feed.

1 x - XYZ Proturm ELX 1440 Lathe with Proto Turn ELX CNC control.

CNC Milling.

Including offline programming.

2 x – MACH VMC 1020-Linear CNC vertical machining centres.

Fanuc 0i – MD Control (extended memory)

BT40 Spindle with oil cooler.

10,000 RPM.

24 Tool arm type ATC.

Through spindle coolant.

X Axis = 1020mm

Y Axis = 560mm

Z Axis = 600mm

Both VCMs are fitted with 4th Axis drives and head units.

1 x – Bridgeport XP1000-30 VMC CNC vertical machining centre.

Heidenhain TNC420 control

BT40 Spindle.

10,000 RPM.

30 Tool arm type ATC.

X Axis = 1000mm

Y Axis = 500mm

Z Axis = 500mm

1 x - Bridgeport XP600 VMC CNC vertical machining centre.

Heidenhain TNC410 control.

BT40 Spindle.

10,000 RPM.

24 Tool ATC.

X Axis = 600mm

Y Axis = 350mm

Z Axis = 300mm

1 x - Hass TM 1p VMC CNC vertical machining centre.

Hass control.

BT40 Spindle.

8,000 RPM.

10 Tool ATC.

X Axis = 740mm

Y Axis = 300mm

Z Axis = 300mm

1 x - Matchmaker Mini Mill 610 VMC CNC vertical machining centre.

Fanuc 0i Mate –MC control

BT40 Spindle.

8,000 RPM.

10 Tool ATC.

X Axis = 600mm

Y Axis = 350mm

Z Axis = 300mm

Waterjet Profiling.

1 x - Flow M2 – 2013b Jetplex 30d Waterjet Profiling Machine.

Work envelope (bed size) : 2.00m x 3.10m (6.6ft x 10.1ft)

Profiling a variety of materials up to 180mm thick that can be cut using just one cutting head and with absolutely no heat distortion or no heat affected zones.

Direct Drive, 30 horsepower pump producing 55,00 PSI (3800 Bar)

Nesting software to optimise yield of parts from materials.

Ultrapierce cutting system for optimal piercing performance on stone, glass, and laminated materials.

Pure Waterjet System ideal for Foams and Rubbers, an exceptionally small stream that introduces virtually no water to the area being cut.

Fabrication.

1 x Kingsland KPES-36-150 brake press.

150 Tonne x 3 Metre bed

Haco 550 CNC control.

1 x Guifil PE 15-30 brake press.

30 Tonne x 1.5 Metre bed.

1 x Edwards Truecut guillotine

1 x Baileigh CNC tube bender.

1 x Baileigh CNC section rolls.

1 x Baileigh tube notcher / scolloper.

1 x Gritflex tube polisher.

1 x 1.5 Metre long x 6mm thick plate rolls.

1 x 4 Metre x 2 Metre professional extreme, double hardened and coated welding table.

Various TIG, MIG / MAG & MMA welding sets.

Surface Finishing.

1 x EVP-400 vibratory deburring machine 400 Litre capacity fitted with acoustic lid.
1 x grit / bead blasting cabinet.

Miscellaneous.

4 x CNC engraving machines.
1 x Tesa coordinate measuring machine.
Various manual lathes and mills.
1 x Toyota 1.5 Tonne forklift truck.