

PLANT LIST

Machining Centers Milling.

CNC 5 Axis

4 off Matsuura Vertical 5 Axis Machining Centre MX-520

Size 520mm Diameter X=650mm Y=520mm Z=350mm, Fanuc 31i control system with full simultaneous high speed machining, thro tool coolant, multiple work holding solutions

1 off. Huron EX30 CNC 5 axis Universal Mill.

Size X axis 2.400mm, Y axis 800mm, Z axis 800mm

Table Area 2.800 x 800

Rotary table 700 x 800

Continuous Servo Axis for 5 Axis Machining

CNC

1 off. Matsuura V.Plus 1000 Vertical Mill.

Size X. axis 1000mm, Y. axis 550mm, Z axis 500mm.

System Fanuc 30i control. High speed machining, 12000rpm.

Plus 4th rotary axis.

2 off. Matsuura RA-2G Vertical Twin Pallet Mill.

Size X axis 700mm, Y axis 440mm, Z axis 500mm.

System Matsuura J300 Control. High speed machining, 15000rpm.

1 off. 4 axis Matsuura H.Plus-405 Horizontal Mill.

Size X axis 500mm, Y axis 500mm, Z axis 500mm B axis 360deg

System Fanuc 30i control. High speed machining, 12000rpm, with through coolant and Chick work holding.

1 off. 4 axis Matsuura H.plus-300 Horizontal Mill.

Size X axis 300mm, Y axis 300mm, Z axis 500mm B axis 360 deg

System Fanuc 16i control. High speed machining, 15000rpm, with Chic work holding.

1 off. Hurco VM20i Vertical Mill.

Size X. axis 1016mm, Y. axis 510mm, Z axis 500mm.

System Hurco WinMax Software. High speed machining, 12000rpm.

Plus 4th rotary axis.

1 off. XYZ RMX 3500 Bed Mill

Size X axis 787mm, Y axis 508mm, Z axis 508mm.

Cad Cam Department

4 seats of Auto Cad 2021

Auto Desk.

4 seats of GibbsCam 14 2021 full 3D solid and simultaneous 5 axis Machining

Manual Milling

1 off. Decal FP4M Manual Mill Tool Room Universal.

Size X axis 500mm, Y axis 400mm, Z axis 400mm.

Heidenhain 3 axis digital readout system.

Turning

CNC

1 off. Morri Seiki NL2500 CNC 4 axis Lathe

Mitsubishi conversational control system. bar feed to 80mm Diameter 705mm turn length, 10" chuck, 'Y' axis, live tooling.

1 off. DOOSAN Lynx 220

Fanuc control system bar feed 50mm diameter, 320 turn length, 300mm turn diameter 8" chuck and 5c collet system .

1 off. DOOSAN Puma 330

Fanuc control system, 1000mm turn length, 600mm turn diameter 12" chuck and 5c collet system

1 off. HARRISON Alpha 1550 XS Manual/CNC Lathe

Fanuc control system. Admits 2000mm between centers.
Swing 830mm and spindle bore to pass 104mm Diameter through.

1 off. XYZ Proturn SLX 355 Lathe

Admits 1000mm between centers.
Swing 360mm and spindle bore to pass 52mm Diameter through

1 off. XYZ Proturn RLX 1630 Lathe

Admits 760mm between centers.
Swing 400mm and spindle bore to pass 54mm Diameter through

Manual Turning

1 off. Harrison H300 Lathe.

Admits 1000mm between centers. Swing 300mm.
Acurite turn vision readout.

1 off. Colchester Master 2500 Lathe.

Admits 1000mm between centers. Swing 300mm.
Acurite turn vision readout.

Grinding.

1 off. Jones & Shpman 1430

High precision hydraulic surface grinder, with magnetic chuck.
Size 203mm x 609mm.

1 off Brierley Tool And Cutter Grinder Drill Sharpener.

Linishing.

1 off. linisher.

Size 42mm x 48mm belts grit size 60 – 240

Sawing.

1 off. Startright H250A.

Fully automatic horizontal band saw machine.
Cutting Capacity 255mm.

1 off. Startright Volant 18 Band Saw.

18" Throat C/W Welder.

1off. Startright 20RWS Band Saw.

20" Throat C/W Welder.

Drilling.

1 off. Startright Mercury Bench Type Three Drill.

Capacity 13mm, one with Tapping head capacity 12mm

1 off. Christian Bench Type Three Drill.

Capacity 8mm, one with Tapping head capacity 6mm

2 off. Startright Pillar Drills

Capacity 13mm

In addition KL Giddings can also offer the following Services

Sliding Head Turning up to 32mm diameter

Wire and Spark Erosion (EDM)

All types of Welding

Heat Treatment and Hardness Testing

Standards Measuring And Inspection

Full Standards inspection Facility, with dedicated Inspector.

Brown & Sharp Coordinate Measuring Machine using 3D Pro CMM Software

Starrett Precision Optical HE400 Shadow graph X10 and X20

Full Inspection reports and C of C available

Fully Equipped Plating Facility

- Electroless Nickel Plating.
- Clear & Black Anodise.
- Alocrom 1200.
- Surtec 650.

Capacity of 600mm X 600mm.

Powder coating also available

Full degreasing facilities.

Vacublast Vapor Honing Capacity 300mm X 300mm.

Shot Peening

Clean Room Assembly.

2 Fully Equipped Assembly Clean Room.

Comprising of:

- Ultra High Vacuum Cleaning with Ultrasonic.
- Ultrasonic Cleaning Tank.
- Stoving.
- High Vacuum Test Rig 10 – 9

Accreditations

BSI ISO 9001:2015 (Certificate Number FS654261)

Lifting and Transport

Both Our sites have Full lifting capabilities from door to machine up to 1 ton.

Full Delivery and Collection Services available in our fleet of vans.

