

## 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. 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.