

# Capacity List

## ERP / CAD / CAM Software Tools

- 17 seats RADAN e2i ERP system
- 2 seats Solidworks CAD
- 3 seats RADAN 3D CAD Design and CAM system for Sheet metal
- 2 seats Hypermill CAM systems for machining

## CNC Milling

1 x Mazak Variaxis i300 AWC 5 Axis CNC Mill with 40 pallet automation and 205 tool hive

- Capacity X-axis 350mm, Y-axis 550mm, Z-axis 500mm
- Max workpiece diameter 350mm x 315mm high



2 x Mazak VCS 530c 3 Axis CNC Mill

- Capacity X-axis 1050mm, Y-axis 530mm, Z-axis 510mm
- Table Size 1300mm x 550mm



DMG DMU 50 Ecoline 5 Axis CNC Mill

- Capacity X-axis 500mm, Y-axis 450mm, Z-axis 400mm
- Table Size 640mm x 500mm

Brother R650X2 Twin Pallet 3 Axis CNC Mill

- Capacity X-axis 650mm, Y-axis 400mm, Z-axis 305mm
- Table Size 700mm x 420mm



YMT XV560A 3 Axis CNC Mill

- Capacity X-axis 560mm, Y-axis 411mm, Z-axis 451mm
- Table Size 800mm x 400mm

Vertical machining centre - Bridgeport VCM 600

- Capacity X-axis 600mm, Y-axis 410mm, Z-axis 520mm
- Table Size 840mm x 420mm



## CNC Turning

C.N.C. Lathe Mazak QTN 200 MSY

- Six axis machine with sub-spindle
- Bar feed with automatic part removal
- Repeatability + .0076mm (.0003")
- 6mm – 65mm Bore (collet)
- 12 Stations with live tooling
- Mazatrol Matrix controller



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Hardinge Conquest T42

- Two axis machine
- 51mm Through Bore
- 12 Stations
- 200mm dia x 335mm long Capacity (chuck)

Hardinge Conquest GT

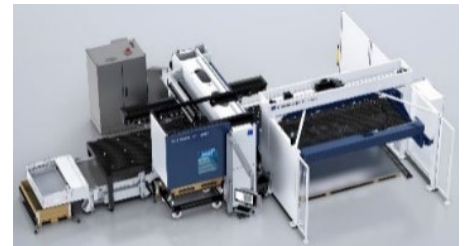
- Super precision
- Two axis machine
- 10 Stations
- Sliding head
- 2mm – 27mm Bore

## **Punching / Forming / Assembly**

### **Automated Punching Cell**

Trumpf TruPunch 3000 CNC Punch Press

- SheetMaster Compact Automatic sheet load 2 tons
- SortMaster Compact Automatic part removal
- Brush Bed
- Descending die for scratch free processing



### **Automated Laser Cutting Cell**

Trumpf TruLaser 1030 4KW Fibre Laser

- Compact LiftMaster full auto-load un-load (lights out operation)
- Sheet size 2500mmx1250mm
- Up to 6mm Stainless, 12mm Mild Steel, 5mm aluminium



### **Forming**

Trumpf Trubend 3100 Hydraulic CNC Press brake inclusive of full five axis control (85 Ton x 3000m)

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Trumpf Trubend V85s Hydraulic CNC Press brake inclusive of full five axis control (85 Ton x 2500m)

Trumpf Trubend V50 Hydraulic CNC/ Press brake inclusive of full three axis control (50 Ton x 1250m)



### **Welding**

MiG and TiG Welding

Spot-welding

Stud welding

Belt finishing

### **Bush/stud Insertion**

4 x 618 Haeger Inserter Press

1 x 412 Haeger Inserter Press

## **Surface Finishing**

### **Line Graining**

1 x Grinding Master Surface Graining Machine – 900 mm bed

## **Powder Painting**

Automated powder coating plant

GEMA Opticentre Powder System 8 spray guns  
(6 reciprocators, 2 manual) Full powder recovery  
Ultrasonic sieve powder filter  
TD Finishing 3 stage iron phosphate pre-treatment TD  
Finishing gas curing and drying ovens  
Fully conveyerised  
2400 mm x 1500 mm x 600 mm maximum individual component size.



## **Laser Marking**

Trumpf Trumark 5000  
Largest part size 500x500mm OR 400x2000mm



## **Screen Printing**

### **Clean room print facility**

Kippax Screen Printing Machine with 20" lift  
- Max Print Area 32" x 26" For creating screens

Dark Room facility

Kippax Printascreen Enclosed Exposure Unit  
- Max Screen Frame 42" x 32"

## **Additional Finishing Available**

The undertaking of anodise plating and other finishing processes is through approved suppliers.

## **Electro/Mechanical Assembly**

Flexible assembly for any non-static sensitive assembly including but not limited to PSUs, Fans, Wiring looms, Mechanicals etc.

## **Inspection**

Aberlink Coordinate Measuring Machine with Renishaw probe – 3D model capable Virtek  
LaserQC automated laser inspection system  
Baty Shadowmaster  
Metronic 202 Box + Auto Edge Sensor Shadowgraph  
Optomag Surface Projector



## **Certification**

All company procedures are fully in accordance with the requirements of ISO 9001 2015