# **CNC Machining Services**

**Facilities List** 

#### **Jobbing**

We will make your machined parts and can reverse engineer them if your drawings are not current.

- Volume manufacturing
- CNC manufacturing
- Precision honing
- Precision manufacturing
- CNC metal machining
- Precision micro machining

#### **Rapid Prototyping**

Make one or a small quantity of items from a basic sketch or your CAD drawing.

#### **Programming - Engineering**

We will create the most efficient CNC programs for making your part, which ensures minimized costs. We can work from your 2D / 3D CAD files.

#### Design

It is much easier to design cost out than attempt to cost reduce an existing design. We will work with you to ensure the cost of making your new part is as low as it can be. And if we do not have the resources to execute we will tell you so you can engage with other suppliers. That's the value of Partnership.

#### **Contract Manufacturing**

We can assemble your items into sub assemblies or completed products. Ask for a quote.

#### **Materials**

We have experience in many materials including:

- Titanium machining
- Stainless steel machining
  - Brass machining
  - Copper machining
  - Ceramic machining
- Engineering polymer machining
  - PEEK
  - Delrin
  - Kovar
  - etc

# Part of Our Facilities

### **CNC Milling**

We have a wide range of CNC milling machine tools that allows us to handle any job. In addition to our Vertical Machining facilities, our precision milling machines include the latest in horizontal milling technology with our Matsuura precision milling machine.



#### CNC VERTICAL MACHINING CENTER MAKONO V331

650\*450\*350 mm 4AXIS

20000 RPM

Tolerances down to +/-0.0002 in(0.005mm)



#### CNC VERTICAL MACHINING CENTER MAKONO V561

900\*550\*450 mm 4AXIS

20000 RPM

Tolerances down to +/-0.0002 in(0.005mm)



#### CNC VERTICAL MACHINING CENTER MAKONO V80S

1300\*1000\*600 mm 5AXIS

#### 20000 RPM

	V80S
Travel X/Y/Z (mm)	1300x1000x600
Travel A/C (°)	-30~+30/-60~+60
Max. part size(mm)	1500x1200x550
Max. table load (Kg)	2500
Spindle (RPM)	20,000
Rapid feed (m/min)	58
Cutting feed (m/min)	40

## **CNC Turning**

We have a range of CNC lathes capable of handling up to 4" bar. Our largest CNC lathe can turn a 30 inch diameter part.

We offer precision turning in metal and plastic.





#### As you like...

#### Innovation Technology

~ Creation of new values

# MX-100

State-of-the-art, compact high-precision Multitasking Machine, with the capabilities of a Machining Center and a Turning Center, featuring advanced software, smart features and up to 96 tools, to ensure high-productivity machining of a wide range of parts, and to smartly meet the needs of various manufacturing sectors.



- Milling-Y-axis standard
- ATC tool spindle standard
- ATC tool spindle motor 11/7.5kW
   Spindle speed12,000min<sup>-1</sup> (op. 20,000min<sup>-1</sup>)
- ATC storage capacity 36 tools (op. 48, 72 tools)
- X-axis travel up to 50 mm below spindle center.
   Y axis travel ± 105 mm with respect to the spindle center
- Floor space 4,350mm x 2,795mm
- Lower turret milling motor power 7.1/2.2 kW with Max. speed 6,000 min<sup>-1</sup>
- · Eco-friendly: Grease lubrication of slide axes.
- Advanced software and Smart features.



















### **Swiss Screw Machining**

Unrivaled in the area is our Swiss machining capability.

We are the go to Swiss screw machine shop.

We have 4 Swiss screw machines for your precision screw machining work.



Our Swiss screw machines allow us to offer specialized automated production of small parts in high volume.

With 20 sets Cincom Citizen L20s complete with CAV20L-IS feeders we have a capability unrivalled in the area.



Tolerances down to  $\pm -0.0002$  in (0.005mm)



#### **Ultimate Gang + Turret**

Front Spindle

Main spindle speed: 8000min-1

Motor: 5.5/7.5kw

Max. machining length (L): 320mm/1chucking (GB)

**Back Spindle** 

Back spindle speed: 8000min-1

Motor: 5.5/7.5kw

Tolerances down to  $\pm$ -0.0002 in(0.005mm)