

LPPM 01A

LARGE PART PRECISION MACHINING



Precise Solutions

Our large part precision machining service is promoted on the strength of our machining expertise and comprehensive range of equipment. We excel in providing cost-effective solutions to particularly difficult precision machining problems. This entails achieving close drawing tolerances and surface finishes, using calibrated machinery on Carbon Steels, Alloys, Stainless Steels, Aluminium and Titanium; ranging from centre lathe turning to CNC gantry milling.

STANDARDS

Machining is performed incorporating a full off-line programming capability using a modern operating platform capable of turning, milling and boring operations; in compliance with BS EN ISO 9001:2008

BENEFITS

We can augment our machining service with several options. These include:

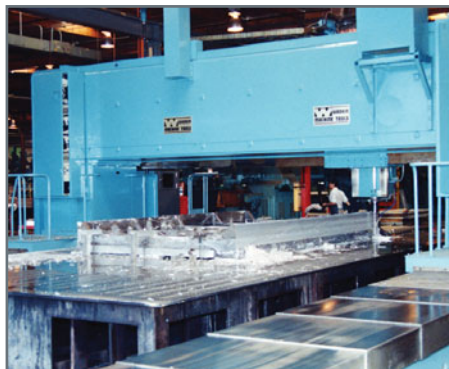
- Large capacity machining
- Professional highly customer focused service
- Excellent quality
- Competitive pricing
- On time delivery
- All machines are independently calibrated at regular intervals to ensure accuracy and repeatability
- Fully equipped tool room and inspection department.
- Variable shift patterns
- Material Sourcing
- Undertake finishing processes i.e. Painting and Anodising
- Assembly



4m x 1.5m plate for the aerospace industry, completely machined in one set-up on our CNC gantry milling machine.



Precision machining achieved on our Union CNC horizontal boring machine.



Our large gantry CNC milling machine producing large precision aluminium plates.

CONFIDENCE . CAPABILITY . COMPETITIVENESS . INTEGRITY . PROGRESS

Machine Specifications

ANAYAK

Full Heidenhain CNC 3 axis milling machine with universal head.
Table dimensions are 5m x 1.6m.
X Axis = 4.2m, Y Axis = 1.1m, Z Axis = 1.5m.
A very versatile machine capable of side machining, top machining
& face machining all in one setting.



CORREA

Full Heidenhain CNC 3 axis milling machine with universal head.
Table dimensions are 3m x 1.1m.
X Axis = 3.0m, Y Axis = 1.2m, Z Axis = 1.0m.
Comprising a 30 station tool magazine enabling fast & efficient machining of a wide
variety of components.



ELGAMILL

Full Heidenhain CNC 3 axis milling machine with universal head.
Table dimensions are 10m x 2m.
X Axis = 8.0m, Y Axis = 1.055m, Z Axis = 2.0m.
A machine commissioned in March 2008 giving us the scope to cope with a vast array
of machining requirements.



MITSUBISHI FLOOR BORER

Full Heidenhain CNC 4 axis milling machine with universal head.
Static table dimensions are 4m x 4m.
Rotary table dimensions are 2.5m x 2.5m.
X Axis = 5.5m, Y Axis = 1.815m, Z Axis = 2.2m, B Axis = 360 degrees.
Full machining axes in 4 directions enables minimal setting times & a great degree of
versatility for all large machining requirements.



MASSA VL-2000 ATC

Full Fanuc CNC vertical turning centre.
Maximum swing diameter is 2.5m with a maximum turning height of 1.6m.
A brand new addition to our plant list in August 2008. The toolpost magazine
comprises of 12 stations giving the flexibility & versatility to turn the most complex
components in the shortest turnaround time.



CAD/CAM

All of our machine programming is backed up using the latest state of the art Delcam
programming software including Powershape, Powermill & Featurecam software packages.

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