

Industries served include:

- Medical
- Cosmetic
- Motorsport
- Aerospace
- Engineering
- Marine
- Defence
- Metrology
- IT
- Food Packaging
- Textile
- Tooling
- Oil/Gas
- Electrical
- Electronic
- Rapid Prototyping
- Telecommunications

The Company

Based in Waterlooville, Hampshire we Specialise in Sub-Contract Manufacturing and provide CNC machining services to many industries such as automotive, aerospace, computer, electronics, medical and machine tool. Sustaining a policy of investment in technology and top quality engineers enable Hi-Tech Precision to maintain the highest level of customer satisfaction. We are focused on delivery deadlines & the highest standards of quality for our customers. Our philosophy is simple. If the customer is completely satisfied, they will come back to us for further work.

Commitment

To build long-term relationships with existing and newer customers, maintaining openness, honesty and full integrity to provide a friendly first class service. We will work as a partnership to provide a constant high performance in both the level of service and in the manufacture of components.

Quality Assurance

Hi-Tech Precision manufactures under the approval of BS EN ISO 9001:2000 and has achieved the approval of several prestigious customers. Continuous improvement philosophy backed up by a fully equipped inspection department ensures customer's requirements are met.

Manufacturing Facility

We have a wide and diverse range of CNC lathes and CNC milling machines. All the machines are linked to a central computer network that stores programs for immediate recall, modification and use in production. Utilising our Visi Cad/Cam system we can accept electronic drawings in either 2D or 3D formats straight from your designers, and manufactured directly from this information.

Project Management

By working closely with customers to achieve design criteria, Hi-Tech's philosophy of partnership sourcing results in cost effective manufacturing. Hi-Tech will also develop complete manufacturing solutions to meet individual requirements whilst negotiating, liaising and problem solving with suppliers to ensure a reliable, consistent source of finished parts.

Ongoing Commitment

To work with our customers to meet all aspects of manufacturing specifications, delivery schedules and manufacturing costs to suit our customers budgets. We can cater for specialised high production contracts or one off general engineering contracts that other companies have no time for. With on going investment in leading edge technology this will enable us to offer our customers a diverse range of services and reliable cost effective solutions to all kinds of manufacturing.

Manufacturing Services

We manage a whole range of manufacturing services for our customers including: Precision multi axis machining, Complete build to print services, Casting machining, Rapid Prototyping, low volume manufacture, Building mechanical Assemblies, High Volume Production, Larger component manufacture and Machining in a broad range of difficult materials including thermoplastics, vulcanised fibre and high performance composites, in addition to laminates for the Automotive industries. Utilising extraction equipment inline with COSHH regulations & Manufacturing to PPAP standards.



Head Office:
Hi-Tech House

6 Pipers Wood Industrial Estate
Waterberry Drive
Waterlooville
Hampshire
PO7 7XU

Tel: 023 9226 2212
Fax: 023 9226 7212
Email: info@hi-techuk.com
Website: www.hi-techuk.com





bridge milling

LARGE CNC MILLING

Sigma SDV2215

High Rigid body construction makes the machine unassailable. Constructed from a high quality robust meehanite casting, providing the best stability and the lowest vibration. Equipped with C3 class high precision ball screws, mounted with P4 class support bearings, and are preloaded ensuring high positioning accuracy and durability.

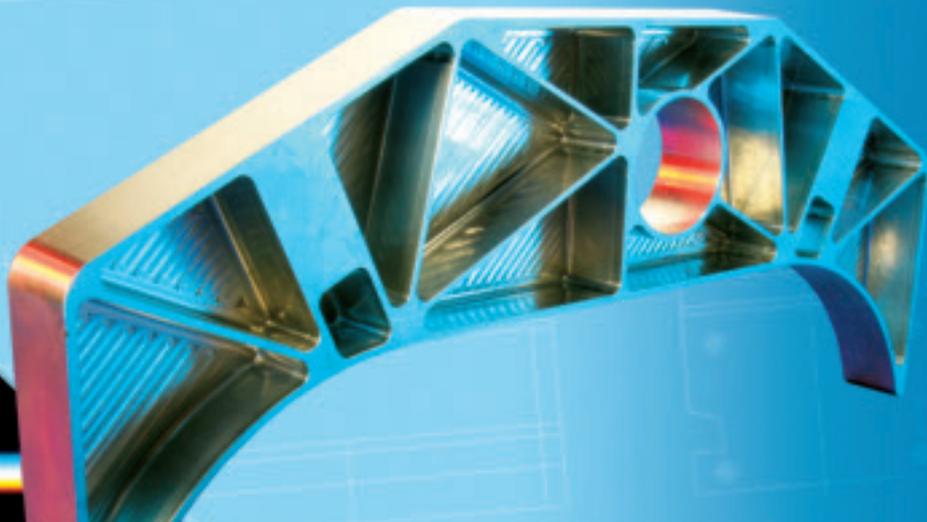
- Working Area of 2200 x 1500mm x 760mm
- Table size 2000mm x 1400mm
- Table operating weight of 5000kgs
- Accuracy of $\pm 0.003\text{mm}$
- 32 Station Tool Magazine
- 5,000 rpm spindle
- In process tool and component measuring probe



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VERTICAL MILLING

DMG - DMU 60T

With its monoblock design, the DMU 60T combines superior ergonomics, minimum space requirements, high stability, continuous accuracy, and a strong milling performance in a single machine.

- Working area of 630mm x 560mm x 560mm including a swivel mounted milling head for 5-sided machining
- 12,000 rpm spindle
- CNC driven b axis (swivel range 103° with clamping mechanism)
- 24 station Tool Magazine

Eagle 1000

This machine is constructed from the highest quality FC-30 casting. Precise three Axis transmission system that employs high precision ballscrews which are supported by class P4 angular contact ball bearings, making a highly rigid and stable machine construction.

- Working Area of 1020mm x 510mm x 510mm
- Table operating Weight 600kg
- 20 Station Tool Magazine
- Table Size 1200mm x 450mm
- 10,000 rpm spindle

Fanuc Robodrill

The Fanuc Robodrill is renowned for its exceptionally high productivity output and unsurpassed reliability. Utilizing the latest Fanuc Drives and motors makes the Fanuc Robodrill a truly versatile and extremely quick machine.

- Working Area of 700mm x 400mm x 330mm
- Table operating Weight 250kg
- 21 Station Tool Turret
- Table Size
- 10,000 rpm spindle

5 x Bridgeport VMC

Incorporating digital controls making accurate and quick machines. With a maximum table load of 750kg these machines offer extremely versatile manufacturing.

- Working Area of up to 800mm x 480mm x 450mm
- 6,000 rpm spindle
- Table Size 1200mm x 450mm
- 22 Station Tool Magazine

2 x Jones & Shipman 4th Axis Rotary Tables

- Full 'C' Axis support to 0.01 degrees
- 320mm diameter capacity



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HORIZONTAL MILLING

Leadwell MH500

This horizontal machine centre offers innovative integration of accuracy, speed and versatility through specific design and high feature content. Featuring twin pallet capability with B axis operation, offering high rigidity and high accuracy configuration through a T-shaped, single casting base construction. Heavy duty linear guide ways ensure accurate positioning and fast travel to all axes.

- Working Area of 500mm x 500mm
- Axis Travel X=750mm x Y=650mm x Z=700mm
- Table operating Weight 500kg
- 6,000 rpm spindle
- 40 Station Tool Magazine
- 'B' axis rotary table



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cnc turning

CNC TURNING

Mazak SQT-18MSY

Our most versatile CNC lathe offers a full 'Y' Axis for multi face machining, including dual spindle capability for the most demanding of turned components.

- Maximum swing diameter 530mm
- Maximum turning length 500mm
- Full 'Y' Axis for milling capability
- Maximum turning diameter 300mm
- Maximum Bar turning diameter 65mm
- **Dual Spindle** capability for complete component manufacture

2 x Hyundai HQT-18

These quick and versatile machines offer good rates and excellent quality time after time. This machine offers our largest Bar turning capacity.

- Maximum swing diameter 530mm
- Maximum turning length 500mm
- Maximum turning diameter 300mm
- Maximum Bar turning diameter 72mm

Hyundai HQT-15

This smaller brother to the HQT-18 offers quick turnaround capabilities with ease of use. High production rates make this machine extremely competitive.

- Maximum swing diameter 440mm
- Maximum turning diameter 300mm
- Maximum turning length 500mm
- Maximum Bar turning diameter 50mm



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QUALITY EQUIPMENT

Full compliment of inspection equipment including:

Johansson Topaz CNC CMM

This fully CNC operated Co-ordinate measuring machine is a machine of the highest quality. The Topaz combines advanced measuring technology with cost effective measuring.

- Working Area X=700mm Y=500mm Z=500mm

Axiom CMM

- Working Area X=600mm Y=500mm Z=1000mm

Mitutoyo Shadow Graph PJ300

Trimos Height Gauge

- Air cushion, dual digital panels, 0.001mm resolution and granite surface table

CAD/CAM

Visi CAD/CAM

- 2D and 3D machining system
- Import formats including IGES, DXF, DWG, ProENG and Catia

OTHER EQUIPMENT

Ultrasonic Cleaning Tank

Nicem EVP-RA100 Circular Vibrator Finishing Machine

Prior Marktronic CNC Part Marking Machine

Dust Extraction

Brazing Equipment



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ADDITIONAL MACHINES

1 x Fanuc CNC Robodrill

Working Area 700mm x 400mm x 330mm
Table Operating Weight 250kg
21 Station Tool Turret
10,000 rpm Spindle

1 x CNC Waterjet Machine

Working Area 2.2 metres x 1.5 metres

2 x Mazak Nexus 250M CNC lathe with live tooling facility

Max Swing Diameter 530mm
Max Turning Length 1000mm
Maximum Turning Diameter 450mm
Maximum Bar Turning Diameter 72mm
Maximum 5000 rpm

1 x Webster & Bennett Vertical Lathe

Max Swing Diameter 1400mm
Max Turning Length 1000mm

1 x Hitachi Seiki VS40 Five Axis Machining Centre

Working Area 600mm x 450mm x 450mm
Nikken Rotary Tilting Table
12,000 rpm Spindle
30 Station Tool Turret

1 x Nicolas Correa CF-25 Machining Centre

Working Area 2500mm x 1000mm x 1500mm
4,500 rpm Spindle

1 x YCM TV116B Machining Centre

Working Area 1100mm x 600mm x 630mm
6,000 rpm Spindle
24 Station Tool Turret

1 x YCM MV76A Machining Centre

Working Area 760mm x 510mm x 560mm
Nikken Rotary 4th Axis
8,000 rpm Spindle
30 Station Tool Turret

1 x AGIE Goldcut Classic Wire EDM

Working Area 500mm x 500mm

2 x Mazak 510C Machining Centres *NEW*

Working Area 1050mm x 510mm x 510mm
12,000 rpm Spindle
30 Station Tool Turret

1 x Kitamura Mycenter HX500i Machining Centre *NEW*

Working Area 870mm x 710mm x 660mm
12,000 rpm Spindle
50 Station Tool Turret
Max Work piece Size 800mm dia x 1090mm high



BUREAU VERITAS
Certification



Certification Awarded to

HI-TECH PRECISION ENGINEERING LTD
UNIT 6 PIPERS WOOD INDUSTRIAL ESTATE, WATERBERRY DRIVE
WATERLOOVILLE, HAMPSHIRE
PO7 7XU

Bureau Veritas Certification certify that the management system of the above organisation has been assessed and found to be in accordance with the requirements of the standards detailed below.

STANDARD

BS EN ISO 9001:2008

SCOPE OF SUPPLY

**MANUAL AND MULTI AXIS CNC PRECISION
MILLING AND TURNING.**

Original approval date: **01 DECEMBER 2000**

Subject to the continual satisfactory operation of the organisation's management system, this certificate is valid until:

30 NOVEMBER 2012

To check this certificate validity please call 020 7661 0700

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation



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For Bureau Veritas Certification UK Ltd
Great Guildford House
30 Great Guildford Street
London SE1 0ES

Vic Bowen
Managing Director

Certificate number: **30473**

Date issued: **07/12/2009**

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