

INTRODUCTION

www.questprecision.co.uk



Unit 5B, Whittle Place,
Kingsway Park
Dundee
DD2 4US

Welcome to Quest Precision Engineering Ltd

Quest Precision Engineering Ltd is an initiative company which encompasses hundreds of years' experience within the turning and milling sectors of engineering. Operating from our new 40,000 square feet facility, we are precision engineering company based in Dundee. A dynamic and forward-thinking company which has invested heavily in new technology to offer our customer the best possible service and quality, proven by our accreditation to ISO9001:2015.

Offering CNC Turning capacity up to 900mm diameter and Milling up to 1,000mm, with 4th & 5th Axis capability. Sliding Head capacity up to 32mm along with Spark and Wire Erosion. We also offer Non-Destructive Testing as well as Zinc & Manganese Phosphating.

We will continuously work to improve our products and services by investing in the latest technology, training, and recruiting staff to meet customer demand. We are a very diverse company that services Oil & Gas industry, Aerospace, Electronics, Automotive industries.

Our experienced staff have extensive knowledge of machining a wide range of materials such as Carbon Steel, Stainless Steel, Plastics, Aluminium through to the more exotic materials including Inconel, Monel, Duplex etc.

For more information please do not hesitate to contact us on [01382 725 165](tel:01382725165) and we will be more than happy to answer any queries you may have, or alternatively view our website: www.questprecision.co.uk

Gordon Deuchars
Managing Director

www.questprecision.co.uk



Accreditation ISO9001:2015



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:
253615-2018-AQ-GBR-UKAS

Initial certification date:
22 January 2018

Valid:
23 January 2024 – 22 January 2027

This is to certify that the management system of
Quest Precision Engineering Ltd
Unit 5B, Kingsway Park, Whittle Place, Dundee, DD2 4US, United Kingdom

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Precision Sub-Contract Machining

Place and date:
London, 07 November 2023

For the issuing office:
DNV - Business Assurance
4th Floor, Vivo Building, 30 Stamford Street,
London, SE1 9LQ, United Kingdom



Doug Milne
Management Representative

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom - TEL: +44(0) 203 816 4000.
www.dnv.co.uk

www.questprecision.co.uk



Contact List

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Plant List

CNC Turning

Doosan Puma 700LY CNC Turning Centre Live Tooling x 2 machines

X axis travel distance	400mm
Z axis travel distance	3300mm
Y axis travel distance	200mm
C axis 360	
Swing Over bed	1140mm
Swing over saddle	1000mm
Maximum turning diameter	750mm
Maximum workpiece length	3250mm
Maximum bar size	164mm
Steady	280mm
Fanuc Control	
Maximum weight on spindle, Chucking work 1400kg, Shaft work 8900kg	



Doosan Puma 600 CNC Turning Centre

X axis travel distance	470mm
Z axis travel distance	1650mm
C axis 360	
Swing Over bed	1030mm
Swing over saddle	800mm
Maximum turning diameter	900mm
Maximum workpiece length	1600mm
Maximum bar size	117mm
Through Spindle	
Fanuc Control	



Doosan Puma 400 LB CNC Turning Centre

X axis travel distance	275mm
Z axis travel distance	2000mm
Swing Over bed	590mm
Maximum turning diameter	550mm
Through Spindle	100mm
Fanuc Control	





Mori Seiki NL3000 Turning Centre

X axis travel distance 280mm
Z axis travel distance 700mm
Y Axis & Tailstock
Swing Over bed 430mm
Maximum turning diameter 420mm
Y axis capacity 120 (+/- 60)
Through Spindle
Fanuc Control



Mori Seiki NL2500 SY CNC Lathe

X axis traverse 260mm
Z axis traverse 795mm
Y axis and Sub Spindle
Max Swing over cross slide 755mm
Max Turn Dia 366mm
Max Turn Length 705mm
Fanuc Control



Mori Seiki NLX1500 SY CNC Lathe

X axis traverse 260mm
Y axis and Sub Spindle 100mm
Z axis traverse 590mm
Fanuc Control



Mori Seiki NLX2500 SY CNC Lathe

X axis traverse 260mm
Y axis and Sub Spindle 100mm
Z axis traverse 1345mm
Fanuc Control





SL200 CNC Lathe x 2 Machines

Max Turn	463mm
Max Swing	680mm
Chuck Size	203mm
Max Bar Size	50mm
Fanuc Control	



Multi Axis Machinery

Nakamura WT-150 II x 4 Machines

X axis travel distance	190mm
Z axis travel distance	515mm
Maximum turning diameter	190mm
Maximum workpiece length	515mm
Maximum bar size	51mm
Two Spindle	
Fanuc Control	



Nakamura NTY3-150

X axis travel distance	161mm
Y axis travel distance	90mm
Z axis travel distance	235mm
B axis travel distance	770mm
Fanuc Control	



Mori Seiki NTX2000

X axis travel distance	496mm
Z axis travel distance	1560mm
C axis 360	
Swing over bed	1030mm
Maximum turning diameter	610mm
Maximum workpiece length	1540mm
Maximum bar size	65mm
Steady	160mm
Through Spindle	
Fanuc Control	



CNC Milling – Horizontal

Mori Seiki NH8000 5 Axis Horizontal Machining Centre x 2 machines

X axis traverse	1400mm
Y axis traverse	1200mm
Z axis traverse	1200mm
Tool Storage Capacity	230 tools
Working Surface	630mm x 630mm
Table load Capacity	800kg
Fanuc Control	



Mori Seiki SH-63 Horizontal Machining Centre

X axis traverse	840mm
Y axis traverse	760mm
Z axis traverse	840mm
Tool Storage Capacity	60 tools
Working Surface	630mm x 630mm
Max Workspace Height	1000mm
Table load Capacity	1197kg
Fanuc Control	





Hedilius RS-60K-2000 5 Axis Machining Centre

X axis traverse 2000mm
Y axis traverse 620mm
Z axis traverse 520mm
Working Surface 1200 x 600mm
Table load Capacity 300mm
TNC Heidenhain Control



CNC Milling – Vertical

Mori Seiki SV503 4 Axis Vertical Machining Centre

X axis traverse 800mm
Y axis traverse 510mm
Z axis traverse 510mm
Comes with 360mm diameter 4th Axis Unit
Working Surface 1100mm x 600mm
Table load Capacity 1000kg
Fanuc Control



Mori Seiki MV65

X axis traverse 1520mm
Y axis traverse 650mm
Z axis traverse 650mm
Tool Storage Capacity 40
Fanuc Control
Full 4th Axis



Mori Seiki MV653 Vertical Machining Centre

X axis traverse 1530mm
Y axis traverse 660mm
Z axis traverse 650mm
Table Width 660mm
Table Length 1700mm
Fanuc Control





Doosan DNM-650 Vertical Machining Centre

X axis traverse	1270mm
Y axis traverse	670mm
Z axis traverse	625mm
Table Width	670mm
Table Length	1300mm
Fanuc Control	



Leadwell V30i Vertical Machining Centre

X axis traverse	760mm
Y axis traverse	510mm
Z axis traverse	610mm
Working Surface	890mm x 500mm
Table load Capacity	300kg
Fanuc Control	



Sliding Head Machine

Citizen A32 x 2 Machines

X axis travel distance	190mm
Z axis travel distance	515mm
Maximum turning diameter	190mm
Maximum workpiece length	515mm
Maximum bar size	51mm
Two Spindle	
Fanuc Control	



Citizen L20

X axis travel distance	190mm
Z axis travel distance	515mm
Maximum turning diameter	190mm
Maximum workpiece length	515mm
Maximum bar size	51mm
Two Spindle	
Fanuc Control	





EDM Machinery

Agie Charmilles form 30 Die Sinking EDM Machine

X axis traverse	600mm
Y axis traverse	400mm
Z axis traverse	400mm
Working Surface	800mm x 600mm
Max Load Capacity	1000kg
Max Work Piece Dim	1000mm x 700mm x 400mm



Charmilles Robofil 440 Wire EDM Machine

X axis traverse	550mm
Y axis traverse	350mm
Z axis traverse	400mm
Working Surface	900mm x 600mm
Max Load Capacity	1500kg
Max Work Piece Dim	1000mm x 550mm x 220mm





Manual Machines

Colchester Triumph 2000 Centre Lathe

Gap Bed 380mm x 762mm
2 Axis



Colchester Triumph VS 2500 Centre Lathe

Gap Bed 380mm x 1270mm
Swing over bed 400mm
Swing cross slide 246mm



Harrison Alpha 1550XS CNC Gap bed lathe

Swing over bed 554mm
Swing cross slide 370mm



XYZ KRV 3000 Turret Milling Machine

X axis traverse 813mm
Y axis traverse 432mm
Z axis traverse 406mm





Inspection Equipment

Mitutoyo Apex Euro C-A12 1210 Co-ordinate Measuring

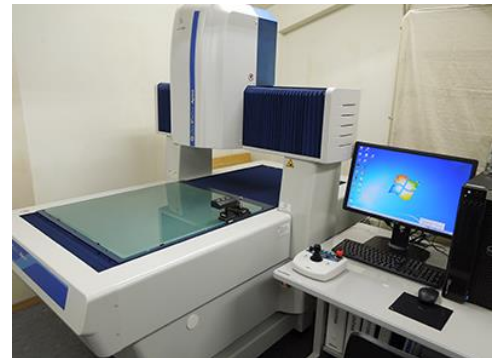
Machine Model BRT-A1212,

X Axis	1200mm
Y Axis	1200mm
Z Axis	1000mm
Bed size	2184mm x 1574mm
Bridge size	1422mm x 939mm



Mitutoyo Quick Vision QVC-1

MITUTOYO QUICK VISION QVC-1 is a non-contact, CNC 3-D vision measuring machine designed to meet diverse requirements for measuring very thin, small, and complex or delicate components. with software, Mitutoyo QVC-1 box, power breaker, programme system. Software MCOSMOS Version 3; QC PAK Version 7.



Gauge Maker Model 90-MT3024-50

Range 0 – 24"

The Gagemaker MIC TRAC is a multi-use gauge setting system. The system sets or zeros most gauges with the use of interchangeable anvils or blocks. Standard resolution of base unit is 0.00005". Accuracies range from +/- 0.0001" to +/- 0.0004" depending on the machine capacity.

Wilson Hardness Tester





Non-Destructive Testing

Quest has the capability to provide Non-Destructive Testing, consisting of Liquid Penetrant (LPI) and Magnetic Particle (MPI) inspection. This inspection will allow us to perform supplementary visual inspection to detect fine cracks and micro-porosity.



Surface Coating

Quest Precision Engineering Ltd offers a wide range of surface coatings as follows:

- Shot Blasting
- Zinc Phosphating
- Manganese Phosphate
- Baked Fluoropolymer
- PTFE/Xylan Coatings

