

Markyate Precision Machining Company Limited



FM37791
ISO 9001:2008

**Precision Machining & Heat Treatment
Services**

**for the Aerospace, Defence, Automotive,
Marine & Communications Industries**

Plant & Capacity

Markyate Precision Machining Company Limited

Hicks Road, Markyate, St Albans, Hertfordshire, AL3 8LH

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Introduction

Markyate Precision Machining Company Limited is situated 30 miles north of London, close to Junction 9 of the M1 Motorway.

Our primary activities include the provision of specialist sub-contract precision machining and heat treatment services to the engineering industry in Britain.

The business is dedicated to provide specialist sub-contract precision machining & heat treatment services for the Aerospace, Defence, Automotive, Machine Tool , Marine & Communications business sectors.

We operate a Quality Management system compliant with the requirements of ISO 9001:2008 & maintain BSI Certificate of Registration FM37791.

Licence Scope

1. Sub-contract precision machinists incorporating component, fixture & gauge manufacture,
2. Fabrications,
3. Heat Treatment Services.

Maximum Machining Sizes

Jig Boring	-	52" X 50" X 56" High
Horizontal Boring	-	90" X 54" (Maximum Weight 4 Tons)
Milling	-	60" X 36"
Turning	-	28" Swing
Vertical Boring	-	50" Diameter
Grinding, Cylindrical	-	12" Diameter
Grinding, Surface	-	12ft x 6ft x 4ft 6inches high
CNC Vertical Milling	-	40" X 30"
CNC Turning	-	30" Swing
CNC Jig Boring	-	40" X 28" X 36" High

Also Full Fabrication Facilities

Quality Assured Sub-contract Precision Machining

Specialist precision machining services including the manufacture of Jigs, Fixtures, Gauges & Special Purpose Machinery at your service . . .

Jlg Boring Capacity

- 1 off - Societe Genevoise CNC SIP 640
- 1 off - Societe Genevoise Tall Column Hydroptic 7A
- 1 off - Societe Genevoise Hydroptic 6A DIR. DM
- 1 off - Newall 15-20 DRO

All machines complete with full supporting equipment including rotary & inclinable rotary tables & complete sets of boring & facing heads.

Horizontal Boring Capacity

- 1 off - Giddings & Lewis Model 300T DRO
- 1 off - Giddings & Lewis Model 330T DRO

All machines fully equipped with boring and facing heads.

Vertical Boring Capacity

- 1 off - Bullard 50" Dia. x 48" high

Milling Capacity

- 1 off - Parkson Number 3 size Motorised over-arm Universal
- 1 off - Parkson

CNC Milling Capacity

- 1 off - Dah Lih mcv 1020 BA - 4th axis
- 1 off - Matchmaker VMC 1100

Turning Capacity

- 1 off - Monarch 28"
- 1 off - Colchester Triumph 2000

Quality Assured Sub-contract Precision Machining

CNC Turning Capacity

- 1 off - Doosan Lynx 220 with magazine Bar Feed
Max bar diameter 45 mm, swing 510 mm
- 1 off - Doosan Puma 400
Max turning size 770 mm diameter x 1079 mm length
- 1 off - Haas TL 2 Toolroom CNC Lathe
Swing diameter 406mm x 1219 mm length

Grinding Capacity

- 1 off - Jones & Shipman Universal - capacity 10" Diameter. x 48" long
- 2 off - Jones & Shipman 540 with Diaform head mounted copying
- 1 off - Jones & Shipman Surface Grinder capacity 27" X 12"
- 1 off - Churchill Twin Column Surface Grinder capacity - 12ft long x 6ft wide x 4ft 6 inches high
- 1 off - ELB Surface Grinder - capacity 30" x 20" X 24"
- 1 off - Chevalier Surface Grinder – capacity 1000 x 400 x 400 mm

Bench

- Various Pillar Drills and Radial drills up to 3' beam
- 1 off - 'Do-All' Band Saw
- 1 off - Christen Chamfering Machine
- 1 off - Sunnen Honing Machine and full support bench equipment
- 2 off - Marking Out Table 10' x 4' and 6' x 4'

Inspection

- Full Inspection facilities including:
- 1 off - Granite Surface Table Grade A 8' x 4'
- 1 off - Granite Surface Table Grade A 4' x 4'
- 1 off - DEA Swift Co-ordinate Measuring Machine incorporating computerised reporting facility

Craneage

- 1 off 3 Tonne Travelling Crane (over workshop)
- 1 off 4 Tonne Travelling Crane (over workshop)

Specialist Heat Treatment of Metals

Sub-contract heat treatment services for a variety of materials including Mild & Tool Steels, Brass & Bronze.

Stress Relieving & Annealing

Our furnace offers the capability of standard and specialised cycles for castings and fabrications
4m x 3m x 1.5m, 15 tonne, Maximum Temperature 940 °C.

Salt Bath

The following salt bath treatments to a capacity of 0.35m x 0.6m are provided:

Cyanide Hardening

Tool Hardening

Case Hardening

Annealing

Tempering

Inspection

Full inspection facilities available including Vickers Hardness Testing, Rockwell and Brinell.

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Contact Details

Address: Hicks Road, Markyate, St Albans, Hertfordshire, AL3 8LH
Telephone: 01582 840444
Facsimile: 01582 841866
Email: markyate@compuserve.com

Enquiries

Please contact us, we would be delighted to discuss your requirements and provide a quotation, for more information, please contact:

Managing Director:	Dean T Bygate MSc
Machining - Sales & Technical:	John Burchmore
Heat Treatment - Sales & Technical:	Richard Bygate

