

Summit Engineering (Birmingham) Limited

Unit 31, Monkspath Business Park
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PLANT LIST

CNC Turning

Mazak Quickturn 450 M	580mm x 2m x 139mm bar Ø capacity 845mm swing.
Mazak Quickturn 250 MY – Smooth G	234mm x 625mm x 100mm bar Ø capacity 695mm swing.
Mazak Quickturn 250 MY – Smooth G	234mm x 625mm x 100mm bar Ø capacity 695mm swing.
Mazak Quickturn 350 MY	420mm x 1.5m x 102mm bar Ø capacity 750mm swing.
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Medium Duty CNC Lathes

Mazak Dualturn 20	Twin spindle/turret lathe, 60mm bar Ø capacity, with bar feed and parts conveyor.
Mazak Super QuickTurn	300mm x 495mm single spindle lathe 51mm bar Ø capacity.
Mazak Super Quick Turn	300mm x 495mm single spindle lathe 64mm bar Ø capacity with live tooling.
Mazak Quick Turn 10	160mm x 285mm single spindle lathe 40mm bar Ø capacity with bar feed.
Mazak Quick Turn 10	160mm x 285mm single spindle lathe 40mm bar Ø capacity.
Daewoo Puma 10	530mm x 370mm single spindle lathe 74mm bar Ø capacity.
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Feeler FTC 280	350mm x 560mm single spindle lathe 51mm bar Ø capacity.

Heavy Duty CNC Lathes

Takisawa EX -122/H	910mm x 1.8m x 184mm bar Ø capacity.
Daewoo Puma 15	350mm x 1.5m x 117mm bar Ø capacity.
Harrison Alpha 1800S	800mm x 4m x 170mm bar Ø capacity.

Oil Country Lathes

Stirk - Model 6	8.5m (27.5ft) between centres, straight bed, twin saddle centre lathe 750mm swing, 102mm (4 inch) spindle bore, c/w copy_attachment.
Binns & Berry - 1154	10.5m (34ft) between centres, 260mm (10.25 inch) spindle bore, front and rear chucks.
Optimum	2m x 560mm bar Ø capacity with digital readout.

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Manual Turning

4 x Hardinge manual lathes

Dean Smith Manual Lathe

Harrison V350 centre lathe with Digital readout

Trens SN710S Centre Lathe with Digital readout – 150ins Between Centres

CNC Machining Centres

Mazak CV5-500	5 Axis Machining Centre
Mazak VTC760C	Machining centre 1740mm x 760mm x 660mm c/w Kitagawa 4th axis.
Mazak 530C	Machining centre 1050mm x 530mm x 510mm c/w Kitagawa 4th axis.
Mazak 820/30	Machining centre 3000mm x 820mm x 720mm c/w Kitagawa 4th axis.
Mazak 430A	Machining centre 680mm x 430mm x 610mm c/w Kitagawa 4th axis.
Mazak 410VCN	Machining centre 680mm x 410mm x 610mm c/w Kitagawa 4th axis.
Mazak FJV 250/30	Machining centre 1020mm x 510mm x 460mm, 12,000 RPM, complete with high speed 3D machining and tool changer.
Matsuura 760V/ 30	Machining centre 760mm x 610mm x 610mm, complete with tool changer.
Bridgeport 560/22	Machining centre 560mm x 400mm x 450mm, 10,000 RPM, complete with tool changer.

Electric Dry Heat Autoclave

14m long 2 ton load capacity

5.8m long 2 ton load capacity

Remco Thermoset Strip Building Machine

1mtr x 3 mtr long.

Manual Milling

4 x Universal & Turret machines up to 10" x 24".

Jig Boring Machine

Newall with digital readout

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Surface Grinding

2 x Jones & Shipman 540.

18" x 6" (457.2 mm x 152.4 mm) table: Capable of moving 19 inches (482.6 mm) longitudinally and 6.75 inches (171.45 mm) in traverse.

Universal Grinding

2 x Jones & Shipman 1300.

10" Ø x 27" (254 mm x 685.8mm) between centres, Heidenhain control with digital readout.

Centreless Grinding

Cincinnati 2 OM Standard Manual Centreless Grinding Machine.

Capacity: 0.100 inch – 3 inch Diameter.

Wickman Scrivener Type 0 Centreless Grinding Machine.

Capacity: 0.035 inch – 1 inch Diameter.

Sheet Metalwork

Guillotine.

Air Press.

2 x Hand Press.

Electric Brazing.

Spot Welding.

Heat Treatment & Finishing

Vaqua Blast bead blasting machine.

Heat & Freeze facility.

Epoxy Resin coating, Electrical circuit testing & Pressure Testing to 80 p.s.i.

Phosphate Plant 1.5m x 1m x 1m tanks.

Honing

Delapena 1/8" to 3" diameter.

Lapping

Facilities to 2 lightbands.

Roller Burnishing

Surface finish to 1 micron.

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Deburring

Hand finishing to 20x magnification.

Burrbench Mk2 barrel deburring machine.

Texas Micro Blasting Machine.

Ultrasonic cleaning unit.

Cutting

3 x Autofeed Saws up to 12" diameter.

Metrology

Mitutoyo Euro Apex C574 (500mm x 700mm x 400mm).

Mitutoyo CMM Crysta –Apex-S7106 (705mm x 1005mm x 605mm)

Mitutoyo Surface Finish Checking Machine.

3 x Mitutoyo Profile Projector up to 20x magnification.

Keyence IM-7030T Image Dimension Measuring System

Tukon Hardness Tester.