



World class
workholding
products...

...and
solutions
from
a single UK
source

BROWN & HOLMES (Tamworth) LTD

Precision Workholding and Machining since 1939

Contact us today: Telephone: 01827 63591 | email: info@brownandholmes.co.uk | online: www.brownandholmes.co.uk

Our versatile workshop consists of the following plant and equipment:

MILLING

DMG-Mori DMU75 5-Axis Machining Centre (x3)
Hermle C50 U MT (Full 5 Axis) Axis Travel
Mazak Variaxis i-500 5 Axis Machining Centre
Mazak VTC800-30SLR 5 Axis Vertical Machining Centre
Lagun BM4, 4 metre long Bed mill
Doosan Mynx 9500
Doosan DNM 750L II Vertical Machining Centre
Mazak VCN 410A-2 Vertical Machining Centre (x2)
Mazak VTC300 VMC with 4th axis capability (x2)
XYZ SMX4000 NC Vertical
XYZ BM5000 NC Vertical
Devlieg 3H-72 Horizontal
Devlieg 3H-48 Horizontal
Devlieg 43H-48
Cincinnati CFV800i H30
VMC Yamazaki VTC760
Mazak 430A
Mazak VTC 200B
Spartan 6090 CNC Router

TURNING

Mazak Nexus Quick Turn 250M with driven tooling
Mazak Quick Turn 20
Mazak Quick Turn 200 II MY
Doosan Puma 600
Colchester Triumph 2000

GRINDING

Jones & Shipman 1300 & 1400 Universal
Myford Universal (x2)
Favretto FR-S Surface grinder
Jones & Shipman 1400L Surface grinder
Jones & Shipman 1400 Surface grinder
Arter Tub Grinder

JIG BORING

4G Societe Genevoise

3D PRINTING

1 off STRATASYS Fortus 450 mc with 13 Material Licenses including: ABS-M30, ABS-ESD7, ASA, PC-ABS, PC, PPSF, ULTEM 9085, PC-ISO, ABS-M30i, NYLON 12CF, NYLON 12, ULTEM 1010, ST130, ANTERO800
1 off STRATASYS F170 3d Printer

JIG GRINDING

Hauser 5SM

WIRE EROSION

Agie Charmilles CUT E 600

INSPECTION

Temperature controlled inspection housing the following equipment:
LK Altera-C Co-ordinate Measuring Machine with scanning head
Mitutoyo Crysta Apex CNC Co-ordinate Measuring Machine
Truth CNC Co-ordinate Measuring Machine
Faro Arm – Quantum - 8ft (2.4m) span
Trimos Electronic Height Gauges Grade 'A'
Granite Surface plate
Shadowgraph
Zeiss T – Scan Hawk 2 3D Scanner

INTEGRATED SOFTWARE (LATEST RELEASE)

Mastercam CAD/CAM offline programming
Autodesk Fusion 360 CAD/CAM
Siemens NX
AutoDesk Inventor
Solidworks

DEDICATED ASSEMBLY FACILITY

Fully equipped 8000 ft² Assembly Shop
Internal and External Engineering support
On-site Service team for installation and after sales service
Overhead Gantry Crane with lifting capacity up to 10 tonne

MISCELLANEOUS EQUIPMENT

80 litre Vibratory Bowl Finisher TBT-80
Spray Booth
Straightening Press (up to 40 tonne load)
Aqua Blast 1215 shot blast machine (1000mm dia. Turntable 80kg load)

Capacity List - Milling:

Machine	X axis travel	Y axis travel	Z axis travel	Rotation axis	
				A	C
Yamazaki VTC 800-30 SLR 5 Axis VMC with 1m integral rotary table	3000mm	800mm	720mm		
DMG-Mori DMU 75 Monoblock 5 Axis (x3)	750mm	650mm	560mm		
Hermle C50 U MT (Full 5 Axis) Axis Travel	1000mm	1100mm	750mm	A-230°	C-360° Continuous
Doosan DNM 750L II Vertical Machining Centre	2160mm	762mm	650mm		
Lagun BM4, 4 metre long Bed mill	4000mm	1300mm	1500mm		
Doosan Mynx 9500	2500mm	950mm	800mm		
Yamazaki VTC 300 C2 VMC	1740mm	760mm	800mm		
Yamazaki VCN 410A-2 VMC (x2)	560mm	410mm	510mm		
Yamazaki VTC 300 C2 VMC with 4th axis capability	1740mm	760mm	800mm		
Yamazaki VTC 760	2300mm	760mm	660mm		
Yamazaki i500 Variaxis	350mm	550mm	510mm		
Mazak 430A	560mm	430mm	510mm		
Devlieg 3H-72 Horizontal	1828mm	1524mm	406mm		
Devlieg 3H-48 Horizontal	1220mm	920mm	406mm		
Devlieg 43H-48	1220mm	1070mm	508mm		
Cincinnati CFV800i H30 VMC	800mm	540mm	560mm		
XYZ SMX4000 NC Vertical	1000mm	600mm	580mm		
XYZ BM5000 NC Vertical	1700mm	800mm	800mm		
Mazak VTC 200B	1120mm	510mm	510mm		
Spartan 6090 CNC Router	600mm	900mm	150mm		

Larger size work pieces can be accommodated on certain machines, dependent upon the shape and weight of the item in question. Please do not hesitate to contact us for more details.

Capacity list - Turning:

Machine	Y axis swing (diameter)	Z axis travel
Doosan Puma 600	900mm	1650mm
Nexus Quick Turn 250M with driven tooling	350mm	1000mm
Mazak Quick Turn 20	250mm	400mm
Nexus Quick Turn 200 II MY	300mm	650mm
Colchester Triumph 2000	190mm	1200mm

Capacity list - Grinding:

Machine	X axis	Y axis	Z axis
Jones & Shipman 1400 Universal	–	356mm diameter	1020mm
Myford Universal	–	127mm diameter	305mm
Favretto FR-S Surface Grinder	2000mm	1000mm	500mm
Jones & Shipman 1400 Surface Grinders	205mm	610mm	350mm
Arter Tub Grinder	–	1000mm diameter	250mm

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Capacity list - Inspection:

Machine	X axis	Y axis	Z axis
LK Altera-C CMM with Scan Capability	1500mm	850mm	650mm
Mitutoyo Crysta Apex CMM	1200mm	2000mm	1000mm
Truth CMM	1100mm	650mm	850mm
Grade 'A' Granite Surface plate	900mm	1200mm	–
Faro Arm - Quantum - 8ft (2.4m) span	2000mm	2000mm	1000mm

Capacity list - Jig Grinding:

Machine	X axis	Y axis	Z axis
Hauser 5SM	700mm	500mm	600mm

Capacity list - Jig Boring:

Machine	X axis travel	Y axis travel	Z axis travel
4G Societe Genevoise	700mm	600mm	600mm

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Since 1939, Brown and Holmes has maintained an enviable position in the marketplace by delivering superior quality workholding solutions.

We believe in working with our customers to deliver the best possible solution for their individual requirements.

We pride ourselves on offering a complete service - our skills include design, manufacture, assembly, testing and inspection, tooling support, installation and after sales support.

Whatever your requirements, whatever your industry, Brown and Holmes can deliver the right workholding solution for your needs.

Whether you are looking for an off-the-shelf product or a bespoke solution, Brown and Holmes can deliver on time and within budget.

We specialise in the supply of standard and semi-standard CNC Cubes and Tombstones, test rigs, jigs and fixtures, special machines and gauges. We also offer precision machining and complex assembly work.

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Solutions