



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](mailto:info@brownandholmes.co.uk) | online: [www.brownandholmes.co.uk](http://www.brownandholmes.co.uk)

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.

### **Brown & Holmes (Tamworth) LTD**

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DE24 8AW

### **Connect with Brown and Holmes:**

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## Capacity List - Milling:

Machine	X axis travel	Y axis travel	Z axis travel
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 - 5 Axis Machining Centre with turning Capability	1000mm	1100mm	750mm
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

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 - 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

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.



# Our versatile workshop consists of the following plant and equipment:

## MILLING

DMG-Mori DMU75 5-Axis Machining Centre (x3)  
Hermle C50 - 5 Axis Machining Centre with turning Capability  
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 ft<sup>2</sup> 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)