



World class
workholding
products



and solutions
from a single
UK source

Brown & Holmes Capacity Listing

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

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 and Holmes is the sole agent for Forkardt workholding equipment within the UK and Ireland.

Brown & Holmes (Tamworth) LTD

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Our versatile workshop consists of the following plant and equipment:

MILLING

Mazak VTC800-30SLR 5 axis Vertical Machining Centre
Doosan DNM 750L II Vertical Machining Centre
Mazak VCN 410A-2 Vertical Machining Centre (x2)
Mazak VTC300 VMC with 4th axis capability (x2)
Mazak 430A
Mazak VTC 200B
Cincinnati CFV800i H30 VMC
XYZ SMX4000 NC Vertical
XYZ BM5000 NC Vertical
Devlieg 3H-72 Horizontal
Devlieg 3H-48 Horizontal
Devlieg 43-48 Horizontal
Devlieg 43H-48
Devlieg 43H-48 (CNC)
Devlieg 2B-36 Horizontal
Europa 5000 VS Vertical
Yamazaki VTC760
Doosan Mynx 9500
Bridgeport Turret machines

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

Sodick VZ 500L

INSPECTION

Temperature controlled inspection room housing the following equipment:
Nikon Evolution 25.12.10 CNC Co-ordinate Measuring Machine
Truth CNC Co-ordinate Measuring Machine
Faro Arm – Quantum - 8ft (2.4m) span
Renishaw PH10M motorized probe
Trimos Electronic Height Gauges
Grade 'A' Granite Surface plate
Spin table

INTEGRATED SOFTWARE (LATEST RELEASE)

Mastercam CAD/CAM offline programming
AutoDesk Inventor
Siemens Solid Edge
Siemens NX
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)

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 |
| Yamazaki VTC 760 | 2300mm | 760mm | 660mm |
| Doosan DNM 750L II Vertical Machining Centre | 2160mm | 762mm | 650mm |
| 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 |
| Cincinnati CFV800i H30 VMC | 800mm | 540mm | 560mm |
| XYZ SMX4000 NC Vertical | 1000mm | 600mm | 580mm |
| XYZ BM5000 NC Vertical | 1700mm | 800mm | 800mm |
| Devlieg 3H-72 Horizontal | 1828mm | 1524mm | 406mm |
| Devlieg 3H-48 Horizontal | 1220mm | 920mm | 406mm |
| Devlieg 43-48 Horizontal | 1220mm | 1070mm | 508mm |
| Devlieg 2B-36 Horizontal | 920mm | 610mm | 305mm |
| Devlieg 43H-48 | 1220mm | 1070mm | 508mm |
| Devlieg 43H-48 (CNC) | 1220mm | 1070mm | 508mm |
| Europa 5000 VS Vertical | 1200mm | 600mm | 600mm |
| Mazak 430A | 560mm | 430mm | 510mm |
| Mazak VTC 200B | 1120mm | 510mm | 510mm |

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 |
|--|--------|--------|--------|
| Nikon Evolution CMM | 2500mm | 1200mm | 1000mm |
| Truth CMM | 1100mm | 650mm | 850mm |
| Trimos Electronic Height Gauge | – | – | 1000mm |
| Grade 'A' Granite Surface plate | 900mm | 1200mm | – |

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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