

Materials Mechanical Workshop Provision (ver Sept '22)

The Department of Materials Facilities Manager, Mr Les Chorley, coordinates mechanical workshop provision for the Department's researchers. See the 'Stores & Workshops' section of the [Materials Information Centre](#) for further information.

- A. The main mechanical workshop for the Department is a shared facility, located in the Thom Building on level 4, managed by the Department of Engineering.

If you require machining to be carried out, or to use our mechanical workshop facilities yourself, your first option should be to use this Level 4 workshop in the Thom Building. The Department of Engineering also has a larger workshop on the ground floor of the Thom building and they can help with larger machining requests, by appointment.

Thom L4 Workshop opening hours for Dept. of Materials Researchers

Wed-Thurs:	08.30 – 10.15	Fri:	08.30 – 10.15
	10.45 – 13.00		10.45 – 13.00
	14.00 – 16.30		

Contact details for the workshop technicians

- Cleveland Williams (cleveland.williams@eng.ox.ac.uk)
- Philip Lacey (philip.lacey@eng.ox.ac.uk)

You will also be required to complete the **workshop safety-training course**. This can be arranged by Les Chorley and takes place every Wednesday or Thursday. The Department of Engineering provides two sessions lasting two hours and each session can accept up to six people at a time. They require a minimum of 4 people per course to make this cost effective.

Workshop safety-training course times

Wednesdays & Thursdays: 11.00 – 13.00 or 14.00 – 16.00

Thom Mechanical Workshop – Equipment available for use

Workshop	Equipment Type	
Staff/Student	Mill	Mill. XYZ Machine Tools Ltd.
Staff/Student	Mill	Mill. XYZ Machine Tools Ltd.
Staff/Student	Mill	Mill. XYZ Machine Tools Ltd.
DBT Lab	Drill	4X Drilling machines
Staff/Student	Lathe	Lathe. Gate 360-E
Staff/Student	Lathe	Lathe. Gate 360-E
Staff/Student	Lathe	Lathe. Gate 360-E
Staff/Student	Lathe	Lathe. Colchester Triumph
Staff/Student	Lathe	Lathe. Gate 360-E
Staff/Student	Lathe	Lathe. Gate 360-E
Staff/Student	Lathe	Lathe. Gate 360-E
Staff/Student	Drill	Drill. Pollard (High speed)
Staff/Student	Drill	Drill. Meddings Machines Ltd
Staff/Student	Punch	Wiedemann Punch
Staff/Student	Engraver	Taylor-Hobson Engraver
Staff/Student	Router	CNC Router
Staff/Student	Guillotine	Electric Guillotine x 1metre
Staff/Student	Guillotine	Electric Guillotine x 1.3metre
Staff/Student	Welder	Spot Welder
Staff/Student	Welder	Spot Welder
Staff/Student	Saw	Vertical Bandsaw

B. Thom 3D Printing Workshop

This facility is located on the 4th floor of the Thom Building – For information about access to and use of this facility please contact peter.walters@eng.ox.ac.uk

C. There is additional equipment in the small mechanical workshop located in the Hume-Rothery Basement

This workshop has facilities for machining small items only, as listed overleaf, and any work must be agreed with the Technicians in advance.

Any work request or use of the machines in the workshop must be supervised. You will need to e-mail one of the following staff members to request both help and access to the workshop:

- Tony Wheeler (tony.wheeler@materials.ox.ac.uk)
- Peter Flaxman (peter.flaxman@pharm.ox.ac.uk) – Wed and Thurs only

HR Basement Workshop – Equipment available for use

- | | |
|---|--------------------------------------|
| 1. Jones and Shipman surface grinder | 5. Buhler Powermet 1 abrasive cutter |
| 2. Bandsaw | 6. Bennett cut off saw |
| ^a 3. Capco precision cutting machine | 7. Cincinnati |
| ^a 4. Buhler Isomet 5000 | |

^a The following equipment from the list above is located in the Furnace room and is available to use provided training has been given: **Capco precision cutting machine and Buhler Isomet 5000**

A **swager** is located in the **Old Metal Store**

D. For Materials researchers based mainly at Begbroke

From time-to-time there is limited capacity, primarily for Materials researchers based at Begbroke, for small machining and related jobs to be carried out by Gideon Ring, to whom enquiries should be submitted.

Please note that Gideon's capacity to help at any given time is dictated by the demands placed on his time by the core research groups that he supports, hence all researchers should first make best efforts to use the Department's primary provision of machining and other mechanical workshop facilities as described in (A) & (B) above

E. Workshop Equipment sited at Begbroke

A **water jet cutter** is sited at Begbroke and enquiries should be directed to the technician in charge, Mr Gideon Ring (gideon.ring@materials.ox.ac.uk).