

# Design and Manufacturing facilities available in the Department of Engineering

The Department has a central design and manufacturing service available to all members of the Department in involved with teaching and research.

## Design and Technical Services

The Design and Technical Services can help with Mechanical, Electronic design and manufacture. To help you we have a Senior Mechanical Design Engineer, a Senior Electronic Design Engineer and a Manufacturing Engineer.



These facilities are available to all members of the Department and can be used for teaching projects, 4<sup>th</sup> year Part II B projects, equipment for research and all other projects to help you while based in the Department.

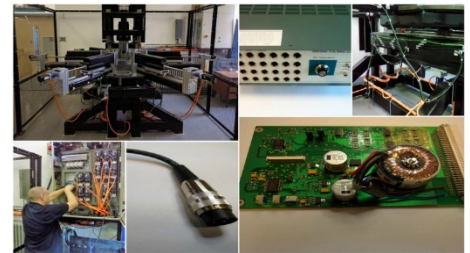
Our main manufacturing facilities are located in the large central Machine Shop where we have a large range of machines ranging from CNC milling in the form of 2.1/2, 3, 4 and 5 axis, CNC lathes, a CNC High pressure water jet cutting machine, wire and plunge EDM.

To support these we have a range of manual machines. There is also sheet metal, welding and fabrication section. We can make a very large range of machined parts from complex surface geometries such as turbine blades to complete mechanical assemblies. If in doubt come along and speak to us, we are here to help.

## Electronics Design Centre

The Electronic Design Centre can manufacture fully finished electronic devices or just parts for electronic projects. These can be 4<sup>th</sup> year Part II B and other student projects or equipment for research. There are facilities to produce PCB's using a CNC milling process that can also produce double sided PCB's as well as the more tradition etching process. These boards can be made so you can mount the electronic components or these can be mounted for you, there is also a repair and fault finding service for equipment.

Other services include Wiring Harness's, enclosures for instrumentation such as strain gauge amplifiers, stepper motor control and power control devices along with advice on experimental setups and breakout box's.



## Contacts

**Website:** <https://www.dts.eng.cam.ac.uk/>

**Central Technical Services**  
**Mr Alistair Ross**  
**Departmental Technical Services Manager**  
Room Number: IE0-05  
email: [workshops-office@eng.cam.ac.uk](mailto:workshops-office@eng.cam.ac.uk)  
Telephone: +44 1223 3 39706

**Design Engineering Services**  
**Mr Neil Houghton Senior Design Engineer (Mechanical)**  
Room Number: BC2-07  
email: [neh27@eng.cam.ac.uk](mailto:neh27@eng.cam.ac.uk)  
Telephone: +44 1 223 3 32763

**Electronics Development**  
Room Number: IE2-01  
email: [edg-office@eng.cam.ac.uk](mailto:edg-office@eng.cam.ac.uk)  
pcb production email: [edg-pcb@eng.cam.ac.uk](mailto:edg-pcb@eng.cam.ac.uk)  
Telephone: + 44 1223 3 32701

**Design Engineering Services**  
**Mr David Sayles**  
**Senior Design Engineer (Electronic Systems)**  
Room Number: IN0-26  
email: [ds807@eng.cam.ac.uk](mailto:ds807@eng.cam.ac.uk)  
Telephone: + 44 1223 3 32707