Bio-medical and micro engineering

Advances in medicine (e.g. “key-hole” surgery) require ever smaller devices. The merger of two important applications of engineering into a single Bio-medical and Micro Engineering Research Centre enables Birmingham to make a major contribution to this trend.

The centre comprises the following groups:

Bio-medical engineering (/research/activity/mechanical-engineering/bio-micro/bio-medical/index.aspx) research in Birmingham concentrates on surgical techniques, implants and instruments.

Wrist implant

Micro engineering (/research/activity/mechanical-engineering/bio-micro/micro-nano/index.aspx) uses the techniques of nano-technology to make devices like sensors and motors that are no bigger than the head of a pin.

Micro engine