

About Us

- We use the latest generation of CAD software, 3D Printers and Optical 3D scanning technology,
- We specialise in doctoral-level applied research in the application of advanced technologies to design and manufacturing processes within the medical and aerospace sectors.
- CBM's in-house workshops encompass leading technology platforms to enable the rapid production of prototype and low-volume components in a variety of polymers and metals.
- We're a leading authority within the advanced manufacturing industry, together with a highly-skilled team of CAD technicians, product designer's and advanced manufacturing engineers enable CBM to deliver fast, accurate, cost-effective solutions to your product development and manufacturing requirements in the shortest possible lead times.
- CBM's stringent quality management processes and procedures ensure our outputs are of the highest possible standard.
- The services we provide are essential to many of our clients.



Contact Us

Contact CBM to discuss cutting-edge Rapid Manufacturing, Applied Research, Product Design and Production Management Services.

Based within Swansea's vibrant Waterfront Innovation Quarter, we focus on developing creative ways to apply advanced technologies to the medical engineering, aerospace, craft and automotive sectors in all aspects of Product Development.



CBM – Wales Centre For Advanced Batch Manufacture
Ethos Building
Kings Road
Swansea
SA18AS



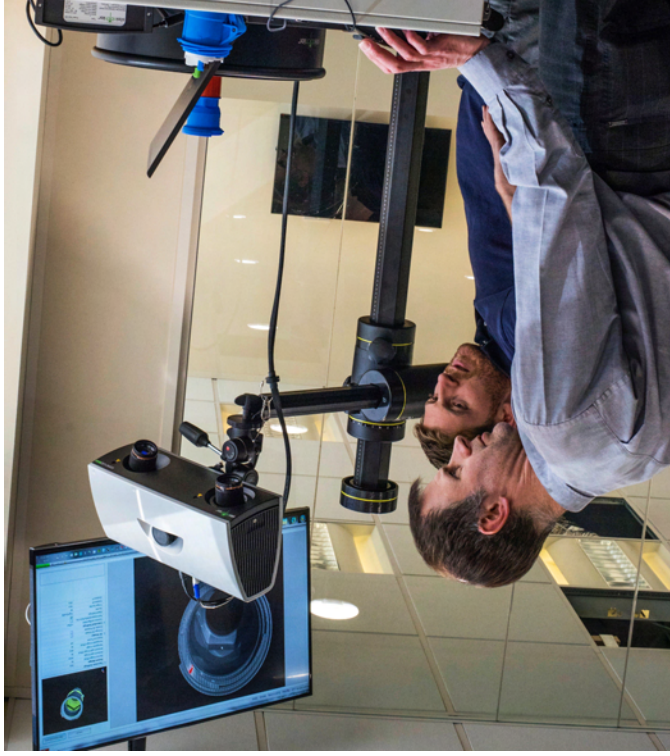
www.CBMwales.co.uk
enquiries@CBMwales.co.uk

CBM Wales Centre For Advanced
Batch Manufacture
Canolfan Gweithgynhyrchu
Arloesol Ac Arbrofol Cymru

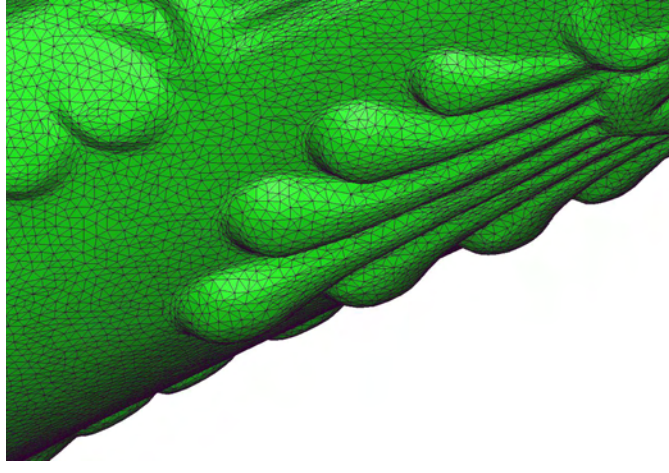


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Reverse Engineering



Digital 3D Capture with fringe projection technology
Triangulated Point Cloud with a mesh spacing of just 18 microns.



Production Management

CBM offers a comprehensive Product Design and Production Management Service, including component design, optimisation, material selection, mould tool design and volume production management.

- Material Selection
- Finite Element Analysis
- Injection Mould Tool Design



Applied Research

We specialise in doctoral-level applied research in the application of advanced technologies to manufacturing processes.

CBM's research is applied in nature, and centred on the creative application of advanced technologies and techniques across a wide range of manufacturing sectors including automotive, aerospace, medical engineering and craft sectors. Staff within CBM have extensive experience of successfully supervising PhDs to completion, and managing the PhD research

Low Volume Production

We use a range of materials that offer properties which match a comprehensive range of engineering plastics.



We utilise our in house professional 3D printing / Advanced Layer Additive Manufacturing processes to produce accurate, high definition master patterns for your low volume production needs. The patterns are expertly finished to exact production specifications. We can produce a variety of surface finishes from highly

