University of Birmingham

Funded Industrial Collaborations

- Industry 4.0
Why the hype?

These digital technologies offer the potential to revolutionise not just manufacturing, but product development, supply chains and business models…
So what’s stopping Businesses?

- Limited understanding of Industry 4.0
- Cyber Security
- Limited access to innovation
- Poor Infrastructure
- Perceived cost
- Limited empirical evidence
- Weak data security & Legislation
- Existing Legacy

Made Smarter Review 2017
So what is UoB doing?

Industrial Digital Technologies

Additive Manufacturing

Virtual Reality & Augmented Reality

Artificial Intelligence/Machine Learning & Data Analytics

The Industrial Internet of Things and Connectivity

Robotics and Automation

Human Interface Technologies Team

Digital Systems Innovation Centre

AMP Lab

Centre for Medical Devices

HPC Cluster

The Alan Turing Institute

National Cyber Security Centre

Intelligent Robotics Lab

Remanufacturing Lab

Extreme Robotics Lab

Virtual Reality & Augmented Reality

Industrial Digital Technologies

Additive Manufacturing

Human Interface Technologies Team

Digital Systems Innovation Centre

AMP Lab

Centre for Medical Devices

HPC Cluster

The Alan Turing Institute

National Cyber Security Centre

Intelligent Robotics Lab

Remanufacturing Lab

Extreme Robotics Lab
What practical support can SMEs access at UoB?
We have a number of support programmes available to help grow your business goals and ideas. These include:

**AMCASH**
Specialising in characterisation, simulation and modelling of materials

**ARLI**
Focusing on alternative raw materials with low impact

**ateta**
Investigating low-carbon energy sources and systems

**CIAMM**
Helping SMEs improve product accuracy and quality through advanced measurement, inspired by quantum technologies

**Digi-Rail**
Focusing on commercial and research opportunities that exist in digital rail

**MD-TEC**
User testing and evaluation of healthcare medical technologies

**Science 2 Industry**
Offering SMEs with a product, process or R&D-based technical problem access to high-tech equipment and resource

**AMTECAA**
Specialising in advanced manufacturing technologies to improve or create new products and processes.