

The High Value Manufacturing Catapult.

The go-to place for advanced manufacturing technologies in the UK



Working through seven world class centres of industrial innovation, the High Value Manufacturing Catapult accelerates new concepts to commercial reality.

We do this by providing access to the specialist equipment and expertise you need to help investigate new technologies and processes and test their application. We can also help you to improve existing processes. We're here to help you strip away the risks of innovation and make investment decisions when you are confident that an idea can be scaled up to deliver on a commercial scale.

Our services are available to firms of all shapes and sizes from FTSE-listed companies to small firms deep in the supply chain. They include:

- capability which spans basic raw materials through to high integrity product assembly processes
- world-class facilities and skills to scale-up and prove high value manufacturing processes
- a network of leading suppliers who contribute to key UK industry supply chains
- a partnership between industry, government and research in a shared goal to make the UK an attractive place to invest in manufacturing

Our ambition is to grow your business and the contribution of the manufacturing sector to the UK economy.

hvm.catapult.org.uk

Our technology capabilities

Advanced Assembly

Automation

Biologics

Biotechnology

Casting

Composites

Design

Digital Manufacturing

Electronics

Flexible Manufacturing

Formulations

High Temperature Processing

Joining

Machining

Manufacturing with Polymers

Materials Characterisation

Metal Forming and Forging

Metrology

Modelling and Simulation

Netshape and Additive Manufacturing

Powder Technology

Power and Energy Storage

Printable Electronics

Resource Efficient and Sustainable Manufacturing

Surface Engineering

Tooling and Fixtures

Visualisation and Virtual Reality

Our Centres

AFRC

CPI

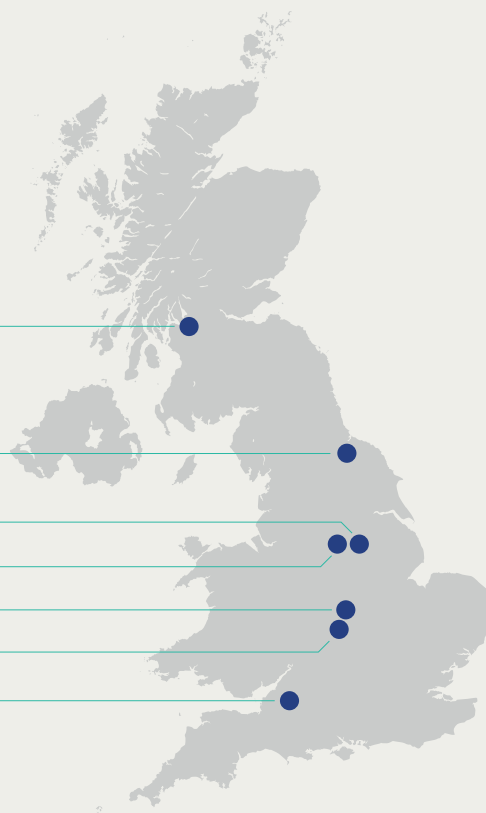
AMRC

Nuclear AMRC

MTC

WMG

NCC



Our Centres offer advice across the range of core manufacturing technologies, but specialise in particular fields. You can choose to begin your journey with a Centre close to you or with a Centre that specialises in your technology need.

If you're not sure where to start, email info@hvm.catapult.org.uk and we will connect you to the right place.

AFRC

ADVANCED FORMING RESEARCH CENTRE
UNIVERSITY OF STRATHclyde

Advanced Forming Research Centre (AFRC) – Inchinnan (near Glasgow)

Focus: Innovative manufacturing technologies, engineering research and development, and metal forming and forging exploration. The centre's work covers the entire product development cycle – from testing and characterisation to material and product assessment.

Contact: info@afr.org.uk



Advanced Manufacturing Research Centre

Advanced Manufacturing Research Centre (AMRC)

Focus: Helping manufacturers become more competitive by introducing advanced techniques, technologies and processes such as additive manufacturing, castings, composites, design and prototyping, integrated manufacturing, machining, manufacturing intelligence, medical, metrology, microscopy, structural testing and virtual reality.

Contact: enquiries@amrc.co.uk



Centre for Process Innovation (CPI) – North East England

Focus: Independent, open access product and process development, prototyping and proof of concept facilities and expertise. Core technology focus on industrial biotechnology, printable electronics, formulation, graphene, and biopharmaceuticals.

Contact: info@uk-cpi.com



Manufacturing Technology Centre (MTC) – Coventry

Focus: Bespoke manufacturing system solutions using Automation, Advanced Tooling and Fixturing, Electronics Manufacturing, High Integrity Fabrication, Design, Simulation and Informatics, Metrology and NDT, Additive Manufacturing and Non-Conventional Machining.

Contact: enquiries@the-mtc.org



National Composites Centre (NCC) – Bristol

Focus: Developing composites capabilities in digital manufacturing, verification and validation, sustainability and life-cycle analysis, automation, design, simulation and manufacturing scale-up with multi-disciplinary and diverse sectoral expert teams, bespoke training courses and business networking.

Contact: enquiries@nccuk.com



NUCLEAR AMRC

Nuclear Advanced Manufacturing Research Centre (Nuclear AMRC) – Rotherham

Focus: Helping UK manufacturers win work in the nuclear sector, and solving manufacturing challenges in large-scale machining, joining, assembly and inspection for the most demanding industries.

Contact: enquiries@namrc.co.uk



WMG, University of Warwick – Coventry

Focus: Low Carbon Mobility R&D in advanced propulsion systems, energy storage and management, connected and autonomous vehicles, multi-material light weight structures, digital manufacturing, and skills development.

Contact: wmgbusiness@warwick.ac.uk

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