



## Manufacturing Fact Sheet

**Plymouth benefits from a thriving and varied advanced engineering sector, which includes medical, defence, transport, pipeline, composite and marine technologies.**

### Sector Overview

#### Advanced Manufacturing & Engineering

- 3,421 FTE Advanced Manufacturing & Engineering (2019)
- £297.2m GVA Advanced Manufacturing & Engineering (2019)
- £86,880 GVA per FTE Advanced Manufacturing & Engineering (2019)
- £36,500 average advertised salary (2021)
- 305 count of enterprises (2020)

#### Manufacturing

- 15,588 FTE manufacturing jobs (2019)
- £986.5m GVA (2019)
- £63,280 GVA per FTE (2019)
- 37,900 average advertised salary (2020)
- 310 count of enterprises (2020)
- 6250 students in Science and Engineering Studies across the University of Plymouth and Plymouth Marjon University in 2018/19
- 438 Engineering and Manufacturing Technologies apprenticeships starts in 2018/19

## Specialist Companies

- Babcock International
- BD (Becton Dickinson)
- Bombardier Transportation
- Burts
- Collins Aerospace
- Fine Tubes/Ametek
- Hellermann Tyton
- Kawasaki Precision Machinery
- Mars Wrigley Confectionary
- MSubs
- NOV Fiber Glass (formerly Pipex px)
- Plessey
- Princess Yachts International
- Rittal-CSM
- Schneider Electric
- The Barden Corporation
- ViSpring

## Plymouth Manufacturers' Group (PMG)

Having celebrated its 40th anniversary in 2018, the PMG is an enduring part of the city's business community. The group is an informal network of senior level people from manufacturing companies from across the Plymouth Travel-to-Work-Area.

It provides a convenient means of interchange of information, experience and opinion and a channel of communication between members of the group, local authorities and other appropriate organisations. Primarily a network for information sharing; peer to peer networking; factory visits, surveys and benchmarking, the group also represents and lobbies on behalf of the sector: locally, regionally and nationally.

It encourages and supports the orderly development of industry in the Plymouth area and promotes awareness of the exciting career opportunities available for young people across the sector

Members include all those listed above plus 40 more.

## University of Plymouth

### The School of Engineering

The School of Engineering has a mission to build upon the University's existing reputation for world-leading research across marine renewable energy, coastal engineering, autonomous marine systems, structures and materials, while developing new commercial partnerships and research collaborations. The School is home to a range of research facilities, such as the Coastal, Ocean and Sediment Transport (COAST) Laboratory, located in the Marine Building, and the Plymouth Electron Microscopy Centre (see below). Its academic programme accommodates around 1,000 students, who are working across subjects including Civil and Coastal Engineering; Mechanical, Marine and Materials Engineering; and Navigation and Maritime Science.

### Materials and Structures (MAST) Research Group

The University of Plymouth has conducted research into composite materials and structures since 1967, and for more than 30 years of that, has conducted knowledge transfer and provided continuing professional development under the Advanced Composites Manufacturing Centre (ACMC) banner. Now renamed MAST, the group has wide-ranging specialisations, including: composites manufacturing, especially resin infusion processes; engineered nanomaterials and nanotechnology applications; marine composites; materials characterisation by destructive and non-destructive techniques; and medical implants and biomaterials.

### Plymouth Electron Microscopy Centre (PEMC)

PEMC has been offering expert and specialist support to industry across a range of sectors for more than 30 years. A comprehensive range of light microscopes, electron microscopes, imaging processing and analysis software enables the facility to support industrial R&D alongside academic research.





## South West Manufacturing Advisory Ltd (SWMAS)

SWMAS design and deliver programmes of support that enable ambitious businesses to increase their productivity, improve operational efficiency, develop skills and reach their growth potential.

SWMAS work directly with manufacturers, on the shop floor delivering improvement programmes and at board level developing and refining strategy. It provides consultancy services, runs public funded programmes, deals with complex funding arrangements and supports businesses to leverage UK and European funding for growth and innovation.

## City College Plymouth

The College's Regional Centre of Excellence for STEM provides state-of-the-art facilities for the advanced manufacturing sector. Working closely with industry partners, the College runs apprenticeships and university-level courses in mechanical design and manufacture.

## Plymouth Science Park (PSP)

PSP is a world-class office, research and laboratory environment that provides the space, flexibility and support for technology, digital and science-based businesses to accelerate their growth and success.

PSP is investing in new enabling technologies, including a 3D printing suite, and work closely with Faculties and Institutes at the University of Plymouth to develop research collaborations and support enterprise.





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## Take Action

To find out more about what Plymouth offers the manufacturing sector, or to discuss how our business support service can help meet your business needs, please contact:

**Enterprise and Inward Investment Team**

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**Invest in manufacturing**