

A close look at working with the University of Plymouth



Fast Facts

- Plymouth based tubing manufacturer
- Keen to build on existing relationships with the University of Plymouth
- Accessed funding to use the Electron Microscopy equipment at the University enabling Fine Tubes Ltd to compare materials and conduct compositional analysis*

Background:

Established in 1943, Fine Tubes Ltd manufactures seamless stainless steel, nickel and titanium alloy tubing, welded, and welded and redrawn stainless steel, nickel and titanium alloy tubing in straight lengths of coil forms. These high specification special alloy tubes are used within demanding industrial applications across the globe, with principle markets including oil and gas, aerospace, medical and power.

Fine Tubes Ltd employs 336 permanent members of staff, with the manufacturing side of the business based at its Plymouth site and sales offices in the UK, Germany, France and India.

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Fine Tubes

Having previously worked with the University, Fine Tubes Ltd were keen to build upon existing relationships and were awarded Enterprise Vouchers to facilitate this. The vouchers were used to access the facilities of the Electron Microscopy Centre in order to understand the process metallurgy of materials, to compare different materials and their performance using advanced techniques like scanning electron microscopy to investigate compositional analysis of welded products and compare with non welded products.

The University of Plymouth's Electron Microscopy Centre provides expert support and access to a wide range of microscopy solutions, supporting a broad user group that spans manufacturing, engineering, textiles, electronics, biomedical and other sectors.

* Please note that the successful Enterprise Voucher scheme has now finished.

Benefits:

|| The University of Plymouth Enterprise Vouchers have enabled us to access the facilities at the Electron Microscopy Centre to understand the processes in detail and have helped Fine Tubes with writing conference papers which are presented at an international level. This has also helped to maintain our strategy to achieve technological leadership in the production of precision tubing for advanced applications. ||

Dr Janardhan Rao Saithala,
Fine Tubes Ltd

To find out more visit:

- Fine Tubes
www.finetubes.co.uk
- Plymouth Electron Microscopy Centre
www.plymouth.ac.uk/emc

To access the University of Plymouth's Enterprise Solutions:

Call: 0800 052 5600

Email: enterprisesolutions@plymouth.ac.uk

Visit: www.plymouth.ac.uk/enterprisesolutions