

PRESS INFORMATION

Preview for:

10th International Particle Accelerator Conference (IPAC'19)

Melbourne, Australia

19–24 May 2019

TMD attends IPAC – with innovative RF solid state amplifiers for the latest scientific and medical applications

on Stand K19

After another successful participation last year, West London based microwave and RF manufacturer TMD Technologies Limited (TMD) will be attending this year's International Particle Accelerator Conference (IPAC2019) in Melbourne, showing revolutionary products for mainstream science.

TMD – making further growth into mainstream science markets

TMD participates again in the International Particle Accelerator Conference as it is the key accelerator event. With an estimated 1000 delegates this year, IPAC is the ultimate event for meeting and networking with the elite in the professional accelerator community and industry worldwide.



Solid state RF amplifiers for cutting-edge mainstream science

TMD's modular architecture, solid state RF amplifiers employ innovative power combining methods to provide many user benefits, including:

Very compact systems -

They are typically based on one 19-inch rack / 100 kW (pulse), with frequencies available from 20 MHz to 1.3 GHz. Operating as CW or pulse systems (with long pulse systems available) they have a wall plug efficiency competitive with tube technology.

High MTBF and low MTTR -

These highly efficient amplifiers are robustly resistant to VSWR mismatch, are easily maintainable with 'hot swap' availability, and exhibit no loss of power from any single element failure. They can be combined to provide MW power capability.

Other products from TMD –

TMD's extensive portfolio includes high power, very low phase noise travelling wave tube (TWT) amplifiers, brazed UHV components, and electron guns.

Units now successfully fielded

Richard Patrick, TMD's Head of Business Development said: "Our collaboration with the Rosatom-NIITFA organisation has enabled us to offer a wide range of solid state amplifiers that are revolutionary in design, and now available to customers. The first units have already been fielded and operated successfully at customers' premises."

Continued Richard: "With a host of advanced features, including hot swap for both RF modules and DC Power Supplies to maximize system availability, these amplifiers are ideal for many applications, including tetrode amplifier replacement; synchrotrons; LINACs for scientific, experimentation/particle physics and spallation systems; medical therapy equipment; and cyclotrons for radioisotope production – with the ability to upgrade existing systems".



Solid state unit from Rosatom-NIITFA – in collaboration with TMD to offer a range of revolutionary solid state amplifiers.

Main TMD representative at IPAC'19

Richard Patrick, Head of Business Development



TMD Technologies Limited – more than 20 years at the top of scientific and technical microwave and RF innovation

TMD's headquarters design and manufacturing facility in West London UK.

With a heritage dating back to the 1940s, TMD Technologies Limited (TMD) is a world class designer and manufacturer of professional microwave and RF products. At the company headquarters in Hayes, West London it produces specialised transmitters, amplifiers, microwave power modules (MPMs), high voltage power supplies, microwave tubes and transponders for radar, EW and communications applications. A previous twice Queen's Award winner, it also produces a range of advanced instrumentation microwave amplifiers for EMC testing, scientific and medical applications.

TMD Technologies, LLC, USA

TMD Technologies, LLC is the US subsidiary of TMD Technologies Limited. Based in Baltimore, Maryland, it provides complete technical and commercial support to TMD's customers in the USA and offers a comprehensive product repair centre.

The Sales and Business Development Department is engaged in the sales of the whole range of TMD's products, as well as new business development in the United States.

[For further information and digital images please contact:](#)

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