

## ***PRESS INFORMATION***

*Preview for:*

**International Particle Accelerator Conference (IPAC'18)  
Vancouver, Canada  
29 April – 4 May 2018**

### **TMD offers revolutionary RF solid state amplifiers for latest scientific and medical applications - on Booth 205 at IPAC 2018**

After a successful first participation last year, West London based microwave and RF manufacturer TMD Technologies Limited (TMD) – in keeping with its successful and on-going expansion into different fields and market areas - will be attending this year's International Particle Accelerator Conference (IPAC) in Vancouver.

#### **Products for mainstream science**

The IPAC event gives TMD the ideal occasion to highlight its potential in providing cutting edge products for mainstream science as well as the opportunity to meet and interact with relevant accelerator scientists, engineers, students, and industry representatives.

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

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

With 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. The amplifiers can be combined to provide MW power capability.

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

### **In collaboration with...**

Said Richard Patrick, TMD's Business Development Manager: "Our collaboration with the Rosatom-NIITFA organisation has now enabled us to offer the scientific world a range of solid state amplifiers that are not only revolutionary, but also ultra-available to customers".

Continued Richard: "With a host of advanced features, these amplifiers are ideal for many applications, including 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 the scientific world a range of revolutionary solid state amplifiers.*

### **TMD people at IPAC'18**

Richard Patrick, Business Development Manager

Imad Gharib, Sales Manager, RF & Microwave Amplifiers

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



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 and microwave tubes 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 Marketing 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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