



**TMD Technologies Limited**

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## **PRESS INFORMATION**

### **New Transmitter for S band Air Traffic Control**

For many years TMD has successfully supplied its PT6055 S band TWT to Watchman Radar users.

We are now pleased to report that we have developed and manufactured a complete transmitter subsystem - the PTX7602 which includes TWT, power supply and Built in Test Electronics (BITE). Several of these units are now operating successfully in the field and offer particular advantages in terms of reliability, maintainability, through life support and cost savings.

The PTX7602 comprises a TMD switched mode power supply, interface electronics and TMD's highly reliable PT6055 coupled cavity TWT (incorporating long life dispenser cathode) in a self contained rack. However if preferred, the customer's existing tube may be retained – in which case full, effective integration is guaranteed.

The TMD system provides excellent low phase noise for enhanced Radar performance and incorporates well established existing components. It has been designed for maximum reliability and ease of maintenance.

High electrical efficiency requires minimum cooling and provides high reliability service over a wide range of ambient conditions. The control interface of the unit allows remote operation and status monitoring, providing a number of diagnostic outputs for test purposes. Options available are long pulse versions or alternative prime power systems. Where appropriate, the unit can incorporate Reverse Power Protection. Various alternative RF Output and RF Input configurations are available.

On the strength of these developments TMD is now also collaborating with several other partners, to enable the supply of complete radar systems for air traffic management and air defence.

If you are interested please log onto our website where you can download a datasheet:  
<http://www.tmd.co.uk/transmitter/ptx7602.asp>

Alternatively email Andy Crawford, Sales Manager at [andy.crawford@tmd.co.uk](mailto:andy.crawford@tmd.co.uk)

Or telephone 44 (0)20 8573 5555 and speak to any member of the Sales Team.

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