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## **SUNPOWER INTRODUCES GAS BEARING TECHNOLOGY TO THE MINI CRYOCOOLER MARKET**

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ATHENS, OH – Sunpower Inc., a leader in Stirling engine and cryocooler development and manufacture, announces the release of the CryoTel® DS 1.5 Stirling Cryocooler.

This new addition to the Sunpower cryocooler portfolio brings gas-bearing technology to the mini cryocooler market.

The advantages of gas bearing technology over existing technologies are a higher power density, a higher efficiency, and a longer life. The DS 1.5 features a dual-opposed-piston pressure wave generator and a separate cold head to minimize exported vibration and acoustic noise. An optional passive balancer further reduces cold head vibration for sensitive applications. Both the cold head and the pressure wave generator can be mounted in any orientation.

The CryoTel DS 1.5 with gas bearing technology is able to offer maximum performance, efficiency, and reliability throughout its lifetime. Application examples include high-temperature superconductivity products, infrared detectors, RF receivers or antennas, astronomical telescopes, and germanium detectors. The nominal heat lift of the new product is 1.5 watts at 77 kelvin.

Sunpower's CryoTel line of high-reliability cryocoolers are suitable for such applications as radioisotope detection, materials research, high-temperature superconductivity, biological preservation, laser cooling, medical devices, and anywhere temperatures need to reach 40-150 kelvin.

Sunpower is a unit within AMETEK Advanced Measurement Technologies (AMT), which is a division of AMETEK, Inc, a leading global manufacturer of electronic instruments and electromechanical devices with annual sales of \$3.6 billion. More information is available at [www.sunpowerinc.com](http://www.sunpowerinc.com)

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[Click here for a hi-res image of the Sunpower CryoTel® DS 1.5 Stirling Cryocooler](#)