



**FOR IMMEDIATE RELEASE**

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## **A.T. WALL TO FEATURE WAVEGUIDE TUBING AT THE INTERNATIONAL MICROWAVE SYMPOSIUM**

*Highlights include Invar Waveguide, Thin Wall Aluminum Waveguide and Flexible Waveguide  
(Booth # 604).*



WARWICK, RI - A.T. Wall Company, a world-class supplier of superior precision tubing and fabricated metal components, will feature a range of precision-drawn, high-quality waveguide tubing at the **2009 International Microwave Symposium (IMS), June 7<sup>th</sup> -12<sup>th</sup>, at the Boston Convention & Exhibition Center, Booth 604, in Boston, MA.** Highlighted products include Invar waveguide, thin wall aluminum waveguide, and seamless flexible waveguide.

Invar waveguide features unique low expansion characteristics allowing minimal expansion in extreme cold and heat. It has the lowest coefficient of thermal expansion of all metals in the -273 to 177°C range. Microwave filters made from Invar can withstand extreme temperature shifts while maintaining the physical characteristics that control the RF signal.

Thin wall aluminum waveguide and seamless flexible waveguide are applicable to airborne systems and space in all satellite applications. Systems designed with aluminum tubes with ½ inch or less of the standard wall thickness and performance of heavier walled products allow engineers to save thousands of dollars in a launch. Flexible waveguide also saves the customer money by reducing space needs with its ability to be bent to fit into small spaces.

A.T. Wall will also feature side wall frames for hybrid microelectronic circuit packages used in defense, commercial electronics and medical applications worldwide. These tubular frames serve as sidewalls for hermetically sealed flat packs that demand restrictive dimensional tolerance and precise metallurgical qualities.

From A.T. Wall's stamping division, a base for a universal sensor originally produced as a machined part will be featured. A.T. Wall engineers work with a customer's engineering staff to develop a stamping process which results in significant cost reduction and increased manufacturing efficiency. Depending upon the quantity produced, the customer can achieve up to 65 percent cost savings using the stamped part in place of the machined part.

### ***About A.T. Wall Company***

Founded in 1886, A.T. Wall Company is a part of the ATW Companies and is a world leader in the production of seamless cold drawn specialty tubing and metal stampings that include drawn and coined products. A.T. Wall's state-of-the-art manufacturing facility, located in Warwick, Rhode Island, serves the needs of customers throughout the world in a variety of industries, including: Aerospace, Electronics, Telecommunications and Medical.

The company provides rapid turnaround on the design and manufacture of specialty items for which mill numbers are not required. For more information on A.T.Wall, visit [www.atwall.com](http://www.atwall.com), call 401-739-0740 or write dparker@ATWall.com.

### ***About ATW Companies***

Headquartered in Warwick, RI, ATW Companies runs state-of-the-art manufacturing facilities located in California, Pennsylvania, and Rhode Island. ATW Companies offers global sales and support and is a highly engineered metal solution provider to the metal component marketplace servicing customers worldwide. ATW provides a wide range of fabrication technologies to meet the exacting requirements of industries and diverse technologies for the most critical applications. Through continuously adding value and innovation to their products and services, ATW offers the best solutions for customers and their partners.

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