

Microwave Medical Systems, Inc.

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Microwave Medical Systems, Inc. ("MMS") is a development-stage company that conceives, designs and manufactures medical devices. All of these devices use microwave technology. Microwaves can be used to generate heat, measure and monitor temperature, and measure motion. Combining these capabilities with proprietary software, MMS has developed products that are unique in their ability to heat blood, fluid or tissue to a specified temperature and to maintain that temperature at a consistent level. MMS was founded by Kenneth L. Carr. Prior to the founding of MMS, Dr. Carr was the Technical Director and Group Vice President of M/A-COM, Inc.

MMS has successfully qualified for and received 16 SBIR Phase I and 11 Phase II grants. These grants have enabled the Company to develop its technology, apply for and receive FDA permission to market five of its resultant products, and launch its first products into the marketplace. Without the support of the SBIR Program, this would not have been possible.

The first of these products is the **ThermoStat 900 IV Fluid and Blood Warmer**, used by trauma teams and physicians when a patient needs infusions of high volumes of fluid or blood. This product represents the first time passive microwave radiometry has been employed to noninvasively measure and control the temperature of fluids in motion.

In 1995, the Massachusetts Technology Collaborative (MTC) recognized MMS for "Exemplary Performance in the Development and Commercialization of Technology through the Federal Small Business Innovation Program."

In 1996, the U.S. Army Medical Research and Materiel Command selected MMS as its Army *Success Story* for its contributions in critical patient care. The *Success Story* is presented in their publication entitled "Creating Tomorrow's History."

MMS's portfolio of patented products and processes is extensive and continually expanding.

National Institutes of Health Awards

Microwave Device for Myocardial Ablation	(HL 46580)
Microwave Device for Detecting Air Emboli	(CA 52345)
Controlled Intracavitary Prostate Cancer Hyperthermia	(CA 61404)
Thermal Characterization of Human Breast Tumors	(CA 73261)
Microwave Sterilizer for CAPD Connector	(DK 38242)
Early Detection of Neonatal & Pediatric Extravasations	(HD 29994)