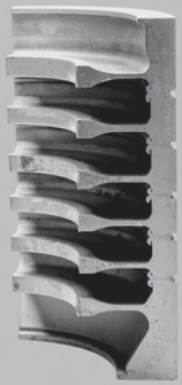
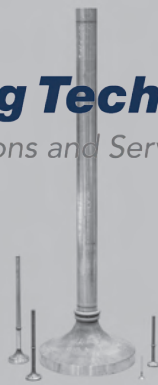




Manufacturing Technology, Inc.

Solid State Joining Solutions and Services



Advanced Friction Welding Solutions for Mission-Critical Applications

Manufacturing Technology, Inc. (MTI) is a specialized manufacturer and engineering partner focused on advanced solid-state welding technologies, including friction welding and friction stir welding. We enable high-integrity joining of critical components used in aerospace, defense, and other demanding environments where performance, reliability, and material performance are essential. We offer a complete phased approach from early material and concept development prototyping, through complete installation of production-ready equipment.

Core Capabilities

Friction Welding: Rotary, Linear, Friction Stir and Low Force processes

Weld Development: Feasibility, parameter optimization and qualification support

Contract Manufacturing: Precision fabrication of mission-critical components

Custom Systems: Design and build of advanced friction welding machines and tooling



Technology Transition Experience

MTI has been awarded **SBIR Phase I and Phase II contracts by the U.S. Air Force and U.S. Navy** to advance friction welding technologies for aerospace and defense applications. These efforts (AF191-098, N211-070) supported the evolution of solid-state joining processes from concept through prototype validation under contracts FA8650-19-P-5162, N68335-21-C-0666, and FA8650-22-C-5008.

Why Choose MTI?

- Proven aerospace and defense performance
- Ability to solve complex, high-integrity weld challenges
- Decades of friction welding expertise
- Quality-driven, 100-year manufacturing legacy

Our Differentiators

- Integrated engineering and manufacturing for end-to-end program support
- Proven SBIR-to-production transition capability
- Expertise in large-scale and complex weldments

Quality Systems and Experience

- ISO 9001 / AS9100 Certified
- Nadcap Certified for Welding
- CAGE Code 3EVL0
- NAICS Code 333992
- SAM.gov Registered
- ITAR Registered
- MTI operates in controlled manufacturing and engineering environments aligned with MIL-STD and MIL-DTL qualification requirements



Contact Information

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