Our Company

Founding Principle
The Fabrication of Aerospace and Industrial Soft Goods including Multilayer Insulation (MLI) & Thermal Control Products

Product Focus
- MLI Blankets and Debris Shields
- Corrosion Protective Covers
- Aerogel Insulation Systems
- Film & Fabric Material Sales
- Aerospace Support Services

Aerospace Fabrication Founding Partners have a broad background in:
- Thin Film Processing
- Adhesive Coating
- Laminating
- Specialty Fabrication
- Light Weight Film Processing and Inflatable

Our Mission
Aerospace Fabrication & Materials will provide you with high quality soft goods on schedule at the best value.

The key to our success is our team of highly skilled Aerospace Engineers, Fabrication Technicians, Quality Technicians, and Management staff. Our quality motto is:

A
Always Improving
F
Fantastic Quality
M
More than Satisfied Customers


Our Team
The real heart of AFM is the people who work to create our products. The company has over 70 employees experienced in the manufacture of MLI blankets, thermal control assemblies and other fabricated products.

Engineers
- Degreed Aerospace engineers and designers
- Years of on-site design experience
- Background in hand fabricated part creation with incorporation of CAD & CNC technology
- Customized production planning for each part

Manufacturing Technicians
- On-site experience at multiple government and prime contractor locations
- Leader of fabrication efforts and training
- Trained in safety, quality, and manufacturing procedures at various customer sites
- Field repair specialists

Cleanroom Fabricators
- Completion of extensive training & testing requirements related to MLI & cleanroom procedures
- Dedicated to quality part production
- Expertise in sewing, taping, sealing, ground installation, and thin film material handling

Quality Technicians
- Involved in all aspects of the manufacturing process
- Third party certification in internal auditing, ESD and NASA crimp inspection
- Committed to continuous improvement of AFM's quality system
- Certification in NASA crimping to NASA 8739.4

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Our Experience

Our years of experience working in thin film and coated fabric development allows us to provide a unique perspective in which to give advice on potential blanket designs. Our background in soft good production allows us the ability to provide ideas for process improvements and alternate joining techniques. This reduces the learning curve on current MLI designs and provide quick feedback on questions as they may arise. The managers have experience with high volume MLI production including past production of the Iridium satellite system.

Facilities

- Founded in 1999
- Located in Farmington, Minnesota (south of the Twin Cities)
- 20,000 sq ft footprint
- 12,000 sq ft for manufacturing
- Over 3,500 sq ft of cleanroom meeting Class 10,000
- Over 1,500 sq ft of cleanroom space meeting Class 300,000
- 1,000 sq ft of material handling/conversion space
- 1,400 sq ft of technical/laboratory facilities

“Far and away the best prize that life offers is the chance to work hard at work worth doing.”

— Theodore Roosevelt, Speech in New York, September 7, 1903
26th president of US (1858 - 1919)