# AMI — U.S. MANUFACTURER OF INNOVATIVE, FUNCTIONAL HIGH HEAT TEXTILES

**R&D | ENGINEERING | COLLABORATION | INNOVATION | U.S. PRODUCTION**

Auburn Manufacturing, Inc (AMI) is the industry leader in the manufacture of advanced textiles for extreme heat environments. From its Maine-based R&D and manufacturing facilities, AMI engineers and produces hundreds of standard and specialty textiles capable of withstanding temperatures from 225°F to 3000°F. Through four decades of focused textile innovation, AMI has developed myriads of high-heat and fire-resistant solutions for industrial applications in:

- Aerospace & U.S. Defense
- Shipbuilding & Repair
- Automotive
- Battery Storage
- Oil & Petrochemical
- Primary Metals Manufacturing
- Power Generation
- Mining
- Glass Production
- Safety Apparel
- Pyrotechnics

## AMI CAPABILITIES & EXPERTISE

AMI has never strayed from its roots of making the highest quality, heat-resistant textiles for industrial and defense purposes. From its beginning, the company has succeeded in meeting very rigid customer specifications with the newest fiber, coating and manufacturing technologies available.

- Fibers: Silica, Fiberglass, Aramids
- Weaving (Broad and Narrow)
- Fabrication (Cut & Sew, Quilting)
- Coating
- Finishing
- Laminating
- Knitted Ropes
- Chemical Leaching
- Pre-Shrinking
- Flexible barriers
- Reflective aluminized fabrics

## Latest Innovation— Aerospace/U.S. Defense

Over the past few years, AMI has focused on making silica fabrics to resist aerial shrinkage, a requirement in composites used for aerospace and defense applications. There is a strong demand and these products must be domestically sourced.

AMI will be in full production of pre-shrunk silica fabrics in 2023. Because AMI can weave fiberglass fabrics, convert the fabric to silica and shrink the fabric — all in its Maine facilities — AMI will be a welcome new source to the industrial U.S. defense base.

Call us for samples and let our innovation help yours!

## AMI — INNOVATION ON FIRE

- Enhanced coated fabrics to resist oil, moisture, abrasion
- Tapes, tubing, ropes, belting
- Industrial safety fabrics
- Welding curtains, blankets, pads
- Modular insulation blankets
- Fire quilts

## Military Standards

- **MIL-C-20079H** Glass Cloth for thermal insulation components
- **MIL-C-24576A** Cloth, Silica Glass for welding and cutting operations
- **USCG164.009** Test for Incombustibility
- **NRC 1.36** Nuclear Regulatory Commission Standard
- **MIL-DTL-24244D (SH)** Insulation Material with Special Corrosion, Chloride and Fluoride Requirements
- **US DOE Safety Rule 10 CFR 851** Worker Safety and Health Program (for DOE and National Nuclear Security Administration)
- **US DOL 1910.252** OSHA Standard on Welding, Cutting and Brazing

## Industry Standards

- **ANSI/FM 4950** Standard for Evaluating Welding Pads, Blankets and Curtains for Hot Work Operations
- **NFPA 51B, 2019 Edition** Standard for Fire Prevention During Welding, Cutting and Other Hot Work
- **California Code of Regulations, Title 8, Section 4848, Fire Prevention and Suppression Procedures**
- **ANSI Z49.1** Safety in Welding, Cutting and Allied Processes
- **API 2009** Safe Welding, Cutting and Hot Work Practices in the Petroleum and Petrochemical Industries
- **ASTM E84** Standard Test Method for Surface Burning Characteristics of Building Materials
- **ASTM C335** Standard Test Method for Steady-State Heat Transfer Properties of Pipe Insulation
- **ASTM C553** Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications
- **ASTM C1695** Standard Specification for Fabrication of Flexible Removable and Reusable Blanket Insulation for Hot Service
- **ASTM E96, Procedure B** Standard Test Method for Water Vapor Transmission of Materials
- **ASTM D5035** Breaking Force/Elongation of Textile Fabrics (supersedes ASTM D1682)
- **ASTM D1777** Thickness of Textile Materials
- **ASTM D3774** Width of Textile Materials
- **ASTM D3775** Fabric Count of Woven Materials
- **ASTM D3776** Weight per unit area of Woven Materials
- **ASTM C135** Test for Specific Gravity of Refractory Materials by Water Immersion

### ISO

nqa ISO 9001 QUALITY MANAGEMENT

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

### Codes

Cage Code #9Y192
NAICS Code #313210

### US Patents

7914872
8039080
8039079

### Certifications

certified WBENC WOMEN'S BUSINESS ENTERPRISE

Certified SBA WOSB Woman Owned Small Business

**AMI is committed to providing the most advanced, safest and high-quality flexible barriers against extreme-temperature challenges worldwide, made by a team of friendly, knowledgeable US workers.**

Proud Member of ATA ADVANCED TEXTILES ASSOCIATION

affoa® ADVANCED FUNCTIONAL FABRICS OF AMERICA MEMBER

NCTO NATIONAL COUNCIL OF TEXTILE ORGANIZATIONS

NFPA® MEMBER

AMI® Auburn Manufacturing, Inc.™
INNOVATION ON FIRE

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