



www.weldmaster.com





A History of Forging New Frontiers in Hot Air Welding

For four decades, Miller Weldmaster Corporation has manufactured and serviced innovative and custom-made rotary hot air/hot wedge and Impulse welding equipment to meet the industrial fabric and thermoplastic industries' needs. We partner with our customers throughout the world to pioneer new industrial fabric welding solutions, including research, design, and building equipment to meet their exact specifications. Our standard and automated heat-sealing equipment is used to create white water rafts, truck tarpaulins, flexible air ducting, awnings, and other products.



Al Miller – Founder

Our founder instilled in our company a strong philosophy and culture of "customers first." To this day, we continue this pledge with each customer.



Scott Miller – President

Scott continues to "carry the torch" on the values and principles of his father. He believes in hiring the right people who know how and when to execute good judgement in Miller Weldmaster's "customer first" culture.



Jeff Sponseller
Executive Vice President



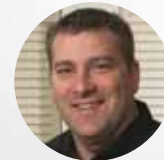
Jeff Dimos
Executive Vice President



Brian Henry
Vice President
Research and Development



Larry Myers
Director of Manufacturing



Mike Nastoff
Director of Process Development
and Customer Service

Our Mission Statement

The Miller Weldmaster family of quality people is proudly dedicated to efficiently and profitably provide manufacturing and service solutions for our customers. We will responsibly grow into new markets as well as maintain our existing markets. We, as a company, agree to commit our efforts and resources to innovation and the best possible customer service. We will custom tailor our equipment to fit our customers' needs while developing practical, affordable, quality products. We have a passion for continued improvement and excellence in serving our industry and employees.



People Make the Difference in Developing Solutions

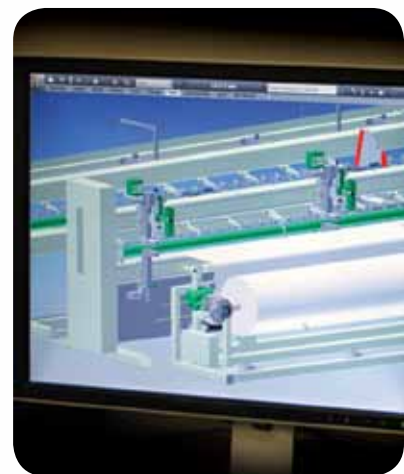
While we have in-depth knowledge of our industry at Miller Weldmaster, we respect and invite our customers to work with us to combine the knowledge we both have in developing the best solutions.

Design and Research

Miller Weldmaster Corporation has developed many of the industrial welding fabric industry's "firsts" in innovative heat-sealing technologies. Through the global application and development of our equipment, we continue to expand our extensive knowledge about heat-sealing products to help us create new solutions for our customers.

Testing and Prototypes

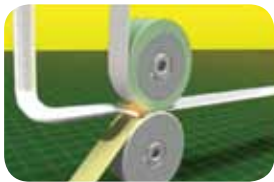
Our application technicians are always available to weld fabric samples for heat-seal testing or create prototypes.



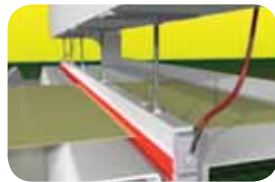
Technology

Heat Welding Systems

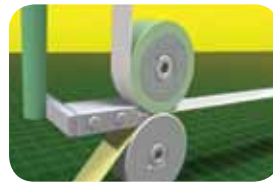
Miller Weldmaster offers three welding technologies:



Hot Air Welding



Impulse Welding



Hot Wedge Welding

- **HEAT:** electronically produced high-temperature air, heated wedge, or current impulse precisely controlled and applied between two or more layers of thermoplastic material.
- **SPEED:** amount of time the heat is applied to the thermoplastic material; controlled by the time the material is exposed in the system.
- **PRESSURE:** compressing the heated thermoplastic materials together during the sealing process to complete the molecular bond between two or more surfaces.

Acrylic and Polyester Welding

Acrylic welding is used to seam acrylic fabrics to create awnings, boat covers, and similar products. The Miller Weldmaster acrylic welding system doesn't use needle and thread. Instead, a heat-activated tape is used followed by pressure – to create a “no leak” watertight seam.

Weldable Fabrics and Materials

- | | | |
|-----------------------------------|---------------------------|----------------------|
| • Vinyl (PVC) laminated fabrics | • Woven polypropylene | • Vinyl films |
| • Vinyl-coated fabrics | • Non-woven polypropylene | • Woven Polyethylene |
| • Polyurethane films | • Rigid extruded products | • Polyethylene (PE) |
| • Acrylics for awnings and marine | • Various fusing tapes | • Weldable Velcro |
| • Polypropylene-coated fabrics | • Non-woven polyester | • Weldable webbings |
| • Thermoplastic rubber fabrics | | |

If you don't see your fabric listed, please contact Miller Weldmaster for a product test.

Seal Types

Guides Available for:



Overlap Seal



Butt Seal with Tape on One Side



Butt Seal with Tape on Two Sides



Webbing Reinforcement



Hem (Hot Air)



Hem (Hot Wedge)



Hem with Rope



Hem with Pocket



Fin Seal



Flat Seam Tube



Channel Seal



Lap Seal with Coverstrip



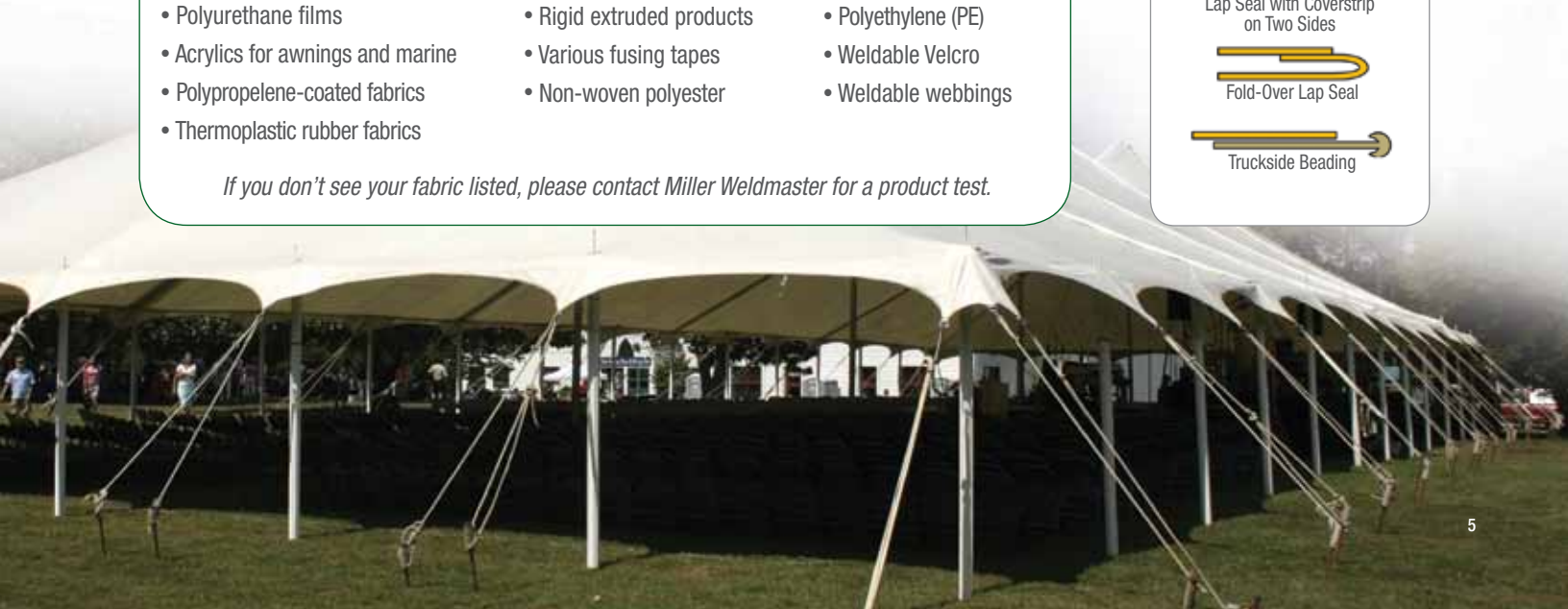
Lap Seal with Coverstrip on Two Sides



Fold-Over Lap Seal



Truckside Beading



Customer Support

Onsite Equipment Showroom

Our Ohio facility is open to current and potential customers to see our equipment in operation, tour our plant, discuss the latest developments in heat-sealing technology, and view our future products.

Accessories and Attachments

Miller Weldmaster designs and produces all attachments and accessories in-house at our machining and fabrication center to ensure the highest quality products for maximum tooling life. Ergonomically designed hemming folders, tape guides, weld rollers, and nozzles are stocked for immediate shipment. Attachments are made from high-quality stainless steel for dependable durability. Weld rollers may be engraved with a company name or logo for product identification. Special-order custom attachments are designed and fabricated to customer specifications.



Standard Equipment

Miller Weldmaster T3

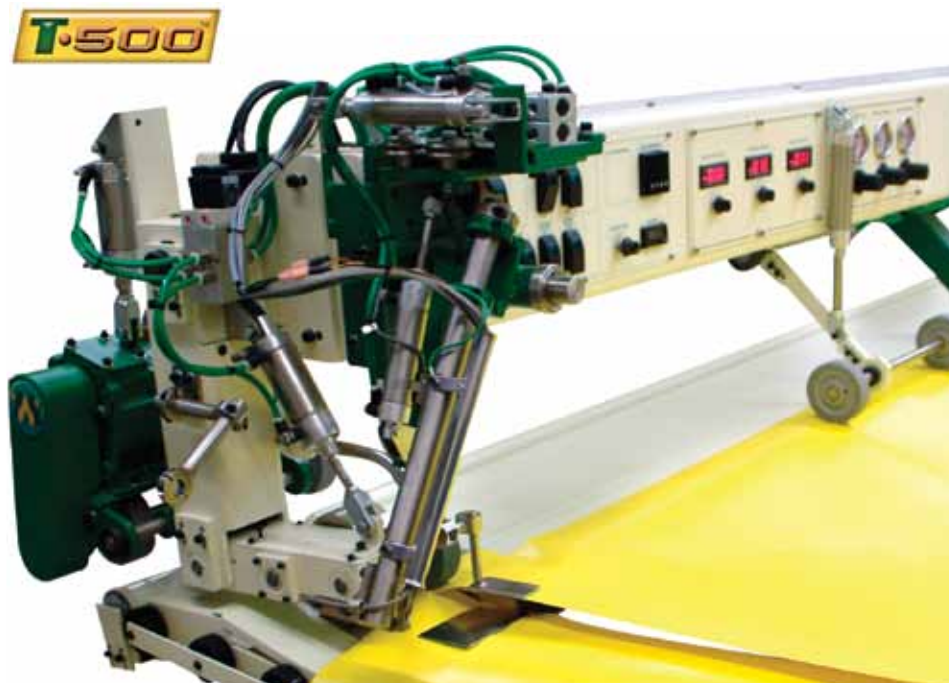
The Miller Weldmaster T3 was designed with the smaller business in mind. This efficient hot wedge welder will produce all the seams required for the banner, sign and awning maker.

The T3 is equipped with nearly all of the guides you need to finish almost any job your customer may require. Designed to easily adapt to any small business, the T3 will use a limited amount of space to finish your products.



T-500™ Universal Systems

Built for the toughest production demands, the T-500 provides the versatility of a multi-function machine for your large products. The T-500 System accepts fabrics up to 2m (81") wide to pass through the throat without folding.



Extreme Seam® Machines

Our Extreme Seam line of fabric welding equipment includes precise welding capabilities, yet still simplifies the welding process. The Extreme Seam machines expand the use of new heat-sealing technologies. Heat, speed and pressure are controlled with tight tolerances, the ability of recipe settings, and heat source alignment.

T-300 Extreme®

The T-300 combines versatility and accurately controlled operating parameters within an ergonomic design and interface for easy operation, speed, accuracy, and productivity.



T-300 EDGE / For Banners and Signs



T-300 SHADE / For Awnings and Marine Covers



T-300 FLEX / For Tents, Tarpaulins and Other Products



T-300 CURVE / For Inflatable and Curved Products



112 Extreme®

The 112 Extreme is the next generation of the popular 112 Cross Seamer. The 112 Extreme has a larger range of production capabilities and is easier for the operator to use. With precision-controlled welding parameters, easy recall settings and an ergonomic design, the 112 Extreme is built to take production and efficiency to the next level.

Seam, Cut and now Grommet on the same machine without moving the material!

Available from 3m to 30m long!



Impulse Extreme®

The Impulse Extreme incorporates an effective thermo impulse sealing technology with precision controlled welding parameters that will create the best looking and strongest seams. The Impulse Extreme is ergonomically designed for easy use and operation to improve efficiency.

The Impulse Extreme has the ability to weld nearly all awning and fabric graphic materials.

Available in 3m and 6m lengths!



Automated Production Solutions

Miller Weldmaster has the capability to design and manufacture industry-specific equipment. Our automated systems are designed with productivity and labor reduction in mind. From custom tarpaulin making, swimming pool manufacturing, cured-in-place pipeline, filter tube production to geo liner welding, our engineering staff will help you build the machine for you.

Our engineering staff has extensive experience in fabric and web handling of various types of industrial fabrics and films. We can implement sewing, grommet placement, cutting and almost any other in-line fabrication/process into production lines. A complete line of fabric handling (rewinding, folding, slitting, and cutting) is also available to meet your production requirements.

M-100 / Geomembrane



M-100 / Ventilation



M-100 / Clear Span Keder



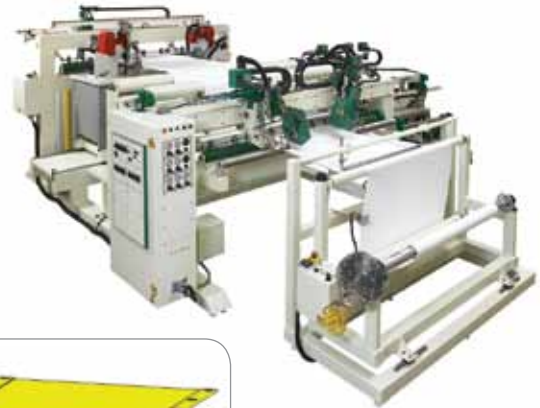
Cured In-Place Pipeline



M-100 / Billboard Finishing Machine



M-100 / Banner Finishing and Grommeting Machine



M-100 / Tarp Machine



M-100 / Shelters and Tents



M-100 / Geomembrane





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