

FAIRWAY PRODUCTS Textile Cutting & Fabrication

# Industrial Seaming & Sealing

# **Industrial Seaming & Sealing**

## Superior Finishes for Demanding Applications

Fairway Products specializes in delivering robust and reliable seaming and sealing solutions for a wide range of synthetic materials. Our decades of experience and advanced Sonic & Fabric Welding techniques, eliminates the need for traditional needle and thread, resulting in superior seam integrity and performance.

Welded seams are just as strong as sewn ones without having to perforate the material. The sonic welder generates the heat required through vibration. This heat will cause the fibers of the fabric to melt, allowing them to attach to each other. The fabric welder generates the heat required via a heating element. The fabric is passed by the element, which starts the melting/softening. The fabric is then passed through a set of rollers that presses the layers together.



Our experts, equipment, and processes will empower your business to get more work done, faster.

# **Your Vision, Our Mission**

At Fairway Products, we are committed to exceeding your expectations. Our dedication to quality, innovation, and customer satisfaction sets us apart. We go the extra mile to find solutions, whether it's sourcing specialized equipment, developing custom fixtures, or streamlining your inventory management.



# **The Power of Fairway**

Discover the transformative impact of our industrial seaming and sealing. Beyond just stitching materials together, we engineer superior products through advanced manufacturing and welding techniques. Our expertise, coupled with state-of-the-art equipment, delivers unmatched strength, durability, and efficiency. Experience the Fairway difference and unlock the full potential of your product.



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# Industrial Seaming & Sealing (cont'd)

## Applications



### Features

**Sonic Welding:** High-frequency vibrations generate heat, melting and fusing the fabric fibers together for a secure bond.

**Fabric Welding:** Heat from a heated element softens the fabric, which is then pressed together by rollers to create a durable seam.

### **Benefits**

 Unmatched Strength: Our welding processes create seams that are equally strong, if not stronger, than traditional sewn seams.

 Enhanced Durability: Seamless construction provides exceptional resistance to abrasion, tears, and leaks.

- Critical Application Ideal: Perfect for applications where puncture resistance and product integrity are paramount.
- Efficiency Gains: Our streamlined processes accelerate production times and reduce labor costs.

# **Seaming & Sealing Capabilities**



Achieved through Sonic and Fabric Welding, eliminating needle holes for a stronger, more reliable finish.



### **Abrasion Resistance**

Our seamless construction techniques resist abrasion, tears, and leaks, ideal for critical applications.



Achieve a clean, professional aesthetic with our advanced welding & thread free seeming processes.



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# Industrial Seaming & Sealing (cont'd)

# **Materials & Equipment**

### **Specifications**

### Miller Weldmaster T300 Flex

- Quick setting recall with easy operation touch screen and recipe storage
- Increased product versatility with dual arms to configure straight or curved seams
- Quick, repeatable head adjustments for precision welding
- Available in hot air, hot wedge or both for product versatility
- Multiple seam configurations for quick, easy guide change
- Can be customized to fit your exact specifications

#### Sonobond

- Versatile, general purpose machine works just like a traditional sewing machine
- Cuts, "sews" and trims in one pass
- Available in variety of stitch patterns
- Operates without the use of thread, glue or other consumables

### Materials



## **Key Equipment**



# **Key Markets**









301 Arch Avenue

Aerospace

Hillsdale, MI 49242



# Industrial Seaming & Sealing (cont'd)

# **Contact Fairway**

Need assistance in maximizing manufacturing efficiencies to ensure quality and optimize costs? Call or email us today and one of our skilled team members will lead the way. (248) 232-7687 ~ <u>Fairway@acmemills.com</u>