



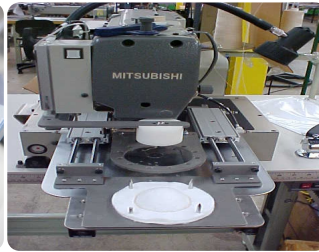
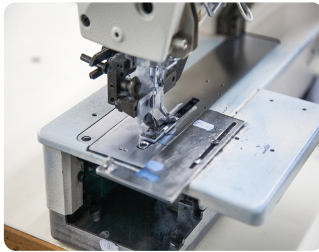
## Comprehensive Textile Sewing Solutions

### Industrial Sewing, Product Development, and Nonwoven Filtration

Fairway Products' industrial sewing capabilities provide us with a quality-oriented and cost-efficient background to manufacture products to our customers' specifications. Along with our industrial sewing services, we can also provide product development and engineering skills to work with woven and non-woven fabrics, vinyl, foam, laminates, leather, and more. Our contract industrial sewing services can help you grow your ideas into a prototype, and we can support anything from small runs to mass production runs.

Because of their unusually high wet strength, light weight, good chemical resistance and low cost, nonwovens are outstanding for many filtering applications. We not only specialize in nonwovens for coolant filtration and offer a complete range of densities and micron ranges, but we are also able to cut and sew filter pouches, socks, tubes, and bags out of woven and nonwoven filter fabric.

An experience engineer can help you choose the optimal material, and our inhouse converting plants will ensure a quick turnaround and affordable pricing.



## The Power of Fairway

Fairway Products is committed to providing high-quality industrial sewing services that meet the rigorous standards of our diverse clientele. Our experienced team, state-of-the-art equipment, and dedication to excellence ensure that every project is completed to the highest specifications.

### Applications

#### SEATING & SEAT COVERS

Seat covers, headrests, and other interior components.

#### FILTRATION

Air filtration systems, Needle & Thread debris filters, Lint traps, vacuum systems, water filtration systems

#### MEDICAL & HYGIENE

Surgical covers, patient positioning devices, and protective gear.

#### OUTDOOR STORAGE COVERS & BAGS

Tarpaulins, storage bags, fabric covers, storage covers, storage totes



## Features

- ★ Contract Sewing: Custom sewing projects executed with precision and efficiency.
- ★ Cut and Sew Operations: Combining cutting-edge technology with skilled craftsmanship to produce superior products.
- ★ Assembly Services: Integrating multiple components to create complete, functional items.

## Benefits

- ✓ Quality-oriented and cost-efficient manufacturing
- ✓ Expertise in woven and non-woven fabrics
- ✓ Ability to handle small and large jobs
- ✓ Experienced engineering support
- ✓ Quick turnaround and affordable pricing
- ✓ Large stock of fabrics for prompt delivery
- ✓ Over 65 years of industrial sewing experience
- ✓ Expertise in industrial and food grade non-woven and woven fabrics for air and liquid filtration

## Sewing Capabilities



Single Needle



Double Needle



Walking Foot and Needle Feed

## Materials & Equipment

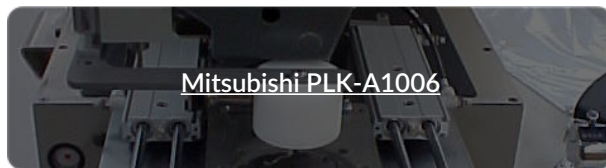
### Specifications

- ⚙ Cylinder Arm
- ⚙ Programmable Sewing
- ⚙ Capable of sewing heavy textiles
- ⚙ Array of custom attachments for Folding and Binding
- ⚙ Serging
- ⚙ Tubing
- ⚙ Juki and Mitsubishi Machines
- ⚙ Needle feed to heavy duty walking feet
- ⚙ Zig zag capabilities

### Materials

- ⚙ Heavy duty textiles such as leather, vinyl, felt, non-wovens, light plastics
- ⚙ Complex shapes and patterns
- ⚙ Repeatable sew patterns

### Key Equipment



Mitsubishi PLK-A1006



Juki MS-3580



## Key Markets



Automotive



Industrial Fabrics

## Case Study

### Precision in RV Screen Manufacturing: Fairway Products Collaborates with a Leading Outdoor Solutions Provider to Deliver High-Quality RV Screens



**Summary:** Fairway Products, an expert in textile and material conversion, partnered with a leading outdoor solutions provider to deliver high-quality RV screens. This project entailed die-cutting aluminum screens and attaching them to molded plastic frames through an innovative heat-staking process. The resulting product met stringent quality standards and was seamlessly integrated into the customer's assembly line, demonstrating Fairway's capabilities in precision manufacturing and value-added services.

#### Project Specifications

- ⚙️ Material: Aluminum screen
- ⚙️ Frame: Molded plastic
- ⚙️ Process: Die-cutting and heat-staking
- ⚙️ Product: RV screens
- ⚙️ Certifications: ISO 9001:2015



## Uses and Applications

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The RV screens manufactured in this project are designed for installation in recreational vehicles, providing durable and reliable screening solutions. These screens are essential components for RV windows, ensuring ventilation while keeping insects and debris out.

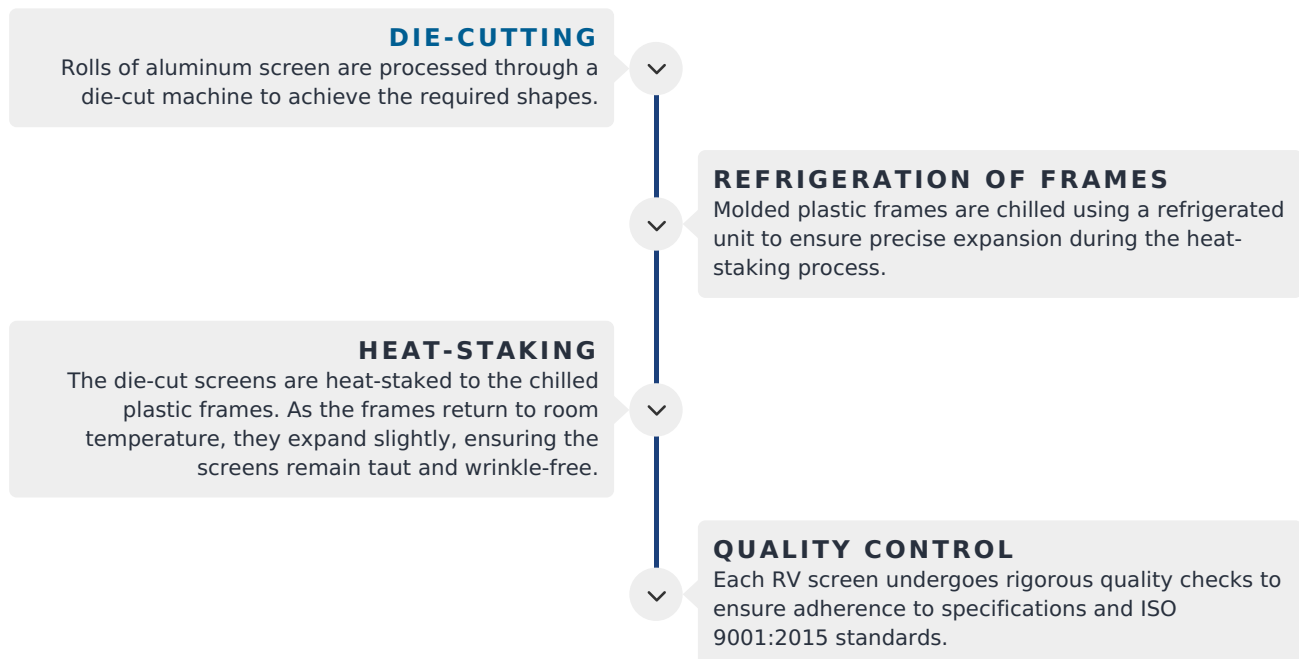
## Scalability of the Project

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The initial run of this project demonstrated Fairway Products' ability to scale production efficiently. Starting with a pilot batch, the process was refined and optimized to handle larger volumes, ensuring consistent quality and timely delivery. The scalability of the project underscores Fairway's capability to meet increasing demands without compromising on precision or performance.

## Manufacturing Process

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## Quality Control Steps

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Fairway Products adheres to strict quality control measures throughout the manufacturing process:

- ➔ **Material Inspection:** All incoming materials, including aluminum screens and plastic frames, are inspected for defects and compliance with specifications.
- ➔ **Process Monitoring:** The die-cutting and heat-staking processes are continuously monitored to maintain precision and consistency.
- ➔ **Final Inspection:** Completed RV screens are inspected for structural integrity, proper attachment, and overall quality. This includes checking for wrinkles, alignment, and durability.
- ➔ **Certification Compliance:** Adherence to ISO 9001:2015 standards ensures that all processes meet the highest quality benchmarks.



**Value to the Customer:** By handling both the die-cutting and the heat-staking processes, Fairway Products provided a turnkey solution that streamlined the customer's supply chain. This integration allowed the customer to receive ready-to-install RV screens, reducing assembly time and costs. The innovative use of refrigeration to maintain screen tension added a unique value, ensuring a superior product that enhances the end-user experience.

Fairway Products' ability to deliver high-quality, scalable solutions with strict adherence to quality standards exemplifies their commitment to excellence in manufacturing. This project not only met but exceeded the customer's expectations, solidifying Fairway Products as a trusted partner in the RV industry.

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## 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. [\(517\) 437-8940](tel:5174378940) ~ [Fairway@acmemills.com](mailto:Fairway@acmemills.com)