FAIRWAY PRODUCTS
Textile Cutting & Fabrication

Slitting and Rerolling

Precision Cutting, Endless Possibilities

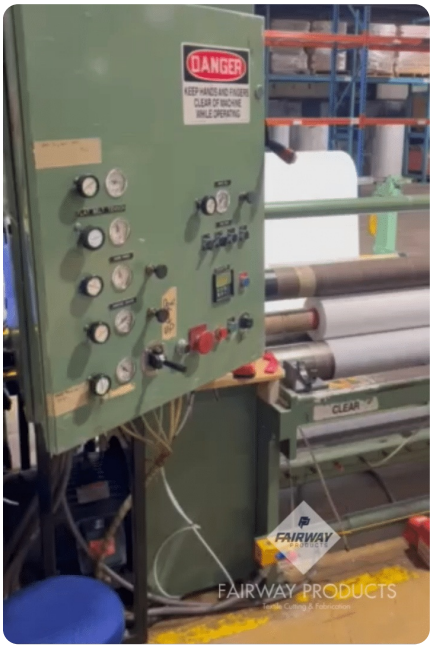
Transform Your Materials with Our Expert Slitting and Rerolling Services

Fairway Products has a long history in slitting and rerolling, dating back to 1951. Our parent company, Acme Mills, also has a rich century long history in developing technical fabrics and textile converting programs.

Fairway slits and rewinds your rolled goods with a quick turnaround time, and stocking capabilities. In addition to converting your existing rolled goods, we can often source material at a more competitive price point leveraging the Acme Group's purchasing team.

Our capabilities and equipment can process a wide variety materials, wovens, knits, paper, films, adhesives, non-wovens – bring it in. We are ready to help you optimize and re-invent your product.

We partner with a large group of vendors and suppliers resulting in a very expansive list of offerings and services.



The Power of Fairway

Fairway Products unlocks the full potential of your materials through precision slitting and rerolling. Our state-of-the-art equipment and extensive expertise enable us to transform your raw materials into high-quality, customized products. From automotive components to industrial filtration, Fairway Products delivers unmatched precision, efficiency, and cost-effectiveness. Experience the Fairway difference and discover how our solutions can elevate your manufacturing process.

Applications

SEATING & SEAT COVERS
Seat covers, headliners, carpets, insulation, sealing tapes

AGRICULTURE
Crop covers, mulch films, geotextiles

MEDICAL & HYGIENE
Surgical drapes, gowns, masks, wound care products

FILTRATION
Air filters, liquid filters, industrial filtration media

301 Arch Avenue Hillsdale, MI 49242 (517) 437-8940

Slitting and Rerolling

Features

- Up to 104” wide roll, maximum diameter 53”
- Core sizes 2” – 6”, slit cores 2” and 3”
- Tolerances +/- 1.5mm
- Programmable Stop capability. (Yards per roll)
- Variable speed drives.
- Drop blade slitting units for goods up to 120” wide.

Benefits

- Quick turnaround time
- Stocking capabilities
- Material sourcing at competitive prices
- Wide variety of materials processed (wovens, knits, paper, films, adhesives, non-wovens)

Slitting and Rerolling Capabilities

Non-Wovens

- Spunbond fabrics
- Pointbond fabrics
- Meltblown fabrics
- Lofted media
- Needle punched felts
- Hydroentangled fabrics
- Spunbond Polyester Filter Media
- Spunlace Polyester Filter Media
- Spunbond Polypropylene Filter Media
- SMS Polypropylene Filter Media
- Meltblown Polypropylene Filter Media
- Composite Fabrics Filter Media
- Rayon Filter Media
- Polyester Blend Filter Media
- Sonic Bonded Composites
- Layered Polyester
- Wet-Laid Cellulose
- Chem-Bond Rayon
- Layered Polypropylene
- Power-Flo Depth Media

Wovens

- Nylon
- Meshes
- Wearables
- Polyester

Paper & Advanced Material

- Chromatography Paper
- Electrophoresis Paper
- Blotting Paper
- Food and Lab Grade Paper
- Film

Materials & Equipment

Specifications

- **Cameron Slitter #1:** 94 inch capacity, maximum roll diameter 53 inches, core size unwind 2 to 6 inches, core size rewind 2 and 3 inches, tolerances +/- 1.5mm, solid shaft backstand, variable speed drive.
- **Cameron #2:** 94 inch capacity, maximum roll diameter 43 inches, core size unwind 1.5 to 8 inches, core size rewind 2 and 3 inches, tolerances +/- 1.5mm, shaftless backstand (uses chucks), variable speed drive.

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- **Shanks/Cameron #3:** 104 inch capacity, maximum roll diameter 53 inches, core size unwind 2 to 6 inches, core size rewind 2 and 3 inches, tolerances +/- 1.5mm, solid shaft backstand, variable speed drive, programmable stop capability for yards per roll.
- **Collins Drop Blade Cutter/Slicer:** maximum roll 120 inches, maximum diameter roll up to 25 inches, core size 2 and 3 inches usable, tolerance +/- 1.5mm on most materials, variable blade packs (serrated and straight).
- **Judleson/Dusenbury Slicer:** maximum roll 60 inches, maximum roll diameter 12 inches, must use 2.125 inch ID special slitter cores, slitting yield minimum width 12mm, maximum width 1 inch (subject to material slit), max yield 58 inches (requires clamp space on roll).

Materials

- Wovens
- Knits
- Paper
- Films
- Adhesives
- Non-wovens
- Spunbond fabrics
- Pointbond fabrics
- Meltblown fabrics
- Lofted media
- Needle punched felts
- Hydroentangled fabrics
- Spunbond polyester filter media
- Spunlace polyester filter media
- Spunbond polypropylene filter media
- SMS polypropylene filter media
- Meltblown polypropylene filter media
- Composite fabrics filter media
- Rayon filter media
- Polyester blend filter media
- Sonic bonded composites
- Layered polyester
- Wet-laid cellulose
- Chem-bond rayon
- Layered polypropylene
- Power-flo depth media
- Nylon
- Meshes
- Wearables
- Polyester
- Chromatography Paper
- Electrophoresis Paper
- Blotting paper
- Food and lab grade paper

Key Equipment


Cameron Slit and Reroll


Dri-Tec Duplex Slitter


Sheeter

Key Markets

Automotive

Aerospace

Textiles

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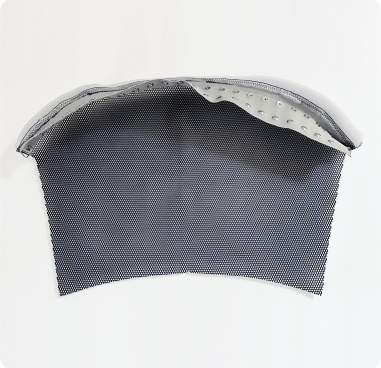
Case Study

Heavy-Duty Truck Bug Screen Excellence: Fairway Products Collaborates with a Leading Commercial Truck Manufacturer to Produce Durable Bug Screens



Summary: Fairway Products, a leader in innovative manufacturing solutions, recently completed a project to produce heavy-duty truck bug screens for a prominent manufacturer in the commercial truck sector. Fairway Products delivered high-quality bug screens designed for the front grills of heavy-duty trucks. This case study delves into the project's specifications, uses, scalability, manufacturing process, and quality control measures, highlighting Fairway Products' contribution to enhancing productivity and expanding production capabilities for their client.

Project Specifications

- **Material:** Vinyl and aluminum screen
- **Manufacturing Techniques:** CNC cutting and industrial sewing
- **Dimensions:** Custom sizes based on client specifications
- **Durability:** Designed for long-term use in commercial trucking environments

Uses and Applications

The heavy-duty truck bug screens manufactured by Fairway Products are essential for protecting the front grills of commercial-grade trucks. These screens are critical for preventing insects, debris, and other potential hazards from damaging the vehicle's radiator and other front-end components during long-haul trips.

Scalability of the Project

The initial run of the heavy-duty truck bug screens project demonstrated Fairway Products' ability to scale production efficiently. The collaboration began with an initial batch of 5,000 units to fine-tune specifications and ensure quality. Following the successful initial run, the project scaled up to meet the client's growing demands. Fairway Products' advanced manufacturing capabilities allowed for seamless scalability, ensuring timely delivery and consistent quality.

Slitting and Rerolling

Manufacturing Process

MATERIAL SELECTION & PREPARATION
The project began with the selection of high-quality vinyl and aluminum screen materials, chosen for their durability and effectiveness in protecting against debris.

CNC CUTTING
Using advanced CNC cutting techniques, Fairway Products precisely cut the vinyl and aluminum screen materials to the exact dimensions specified by the client. This process ensured accuracy and consistency across all units.

INDUSTRIAL SEWING
Skilled staff operated industrial sewing machines to assemble the cut materials into finished bug screens. This step was critical in maintaining the structural integrity and durability of the screens.

FINAL ASSEMBLY
After sewing, the bug screens underwent a final assembly process where additional components, such as mounting brackets, were added as per the client's specifications.

Quality Control Steps

To ensure the highest quality of the heavy-duty truck bug screens, Fairway Products adhered to rigorous quality control measures throughout the manufacturing process:

- **Material Inspection:** All materials were inspected for defects before cutting.
- **Dimensional Verification:** CNC cutting was regularly monitored and adjusted to maintain precision.
- **Sewing Quality:** Each assembled bug screen underwent thorough inspection to ensure strong and durable seams.
- **Final Inspection:** The finished products were subjected to a final quality check to confirm they met the client's specifications and performance requirements.

Client Benefits

By collaborating with Fairway Products, the client gained significant productivity advantages. Fairway Products' efficient production processes provided essential capabilities that were not available in-house, allowing the client to focus on other critical products within their facility. The expanded production capabilities enabled the client to meet growing demands without compromising on quality.

Certifications

Fairway Products is proud to maintain ISO 9001:2015 certification, reflecting their commitment to quality management and continuous improvement.

Conclusion

Fairway Products' expertise in CNC cutting and industrial sewing, combined with their dedication to quality, made them the ideal partner for this heavy-duty truck bug screen project. The successful collaboration not only enhanced the client's productivity but also demonstrated Fairway Products' capability to deliver high-quality commercial truck components on a large scale.

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 ~ Fairway@acmemills.com