

# FROM PROTOTYPE TO PRODUCTION: TEXTILE SOLUTIONS FOR MEDICAL DEVICE MAKERS



**CONTRACT MEDICAL** device manufacturers have a knack for balancing scale, compliance, and safety to provide complex solutions. Their products often require components from an array of sources that need to match their level of precision and specification. If these manufacturers use textiles, they demand a supplier who can provide the exact material and have a deep understanding of that materials interplay with the other component parts, the longevity of the application, the demands the production process will exact on the textile, and how the end-user or patient will best interact with the fabric.

TVF, a trusted textile supplier and production partner for more than 50 years, has the expertise, real-world experience, and global supply chain connections to collaborate and deliver for full-device, component, and prototyping medical device manufacturers of small and large scales. TVF can arrange finishes, coatings, and color-matching to meet medical specifications.

“Your research and development (R&D) doesn’t have to happen in isolation,” says Travis Conlon, TVF Classic & Vinyl Sales Director. “We can work directly

with your Product Managers at every step – whether you’re testing materials, refining a prototype, or moving into production. Our team brings deep textile knowledge and a collaborative spirit to help you get it right the first time. We’re here to support you all the way.”

Textile applications in medical devices are becoming more common. Some examples include mattress covers, patient transfer, pressure injury prevention, wheelchair seats, blood pressure cuffs, facility curtains (disposable and reusable), filtration components, and more.

Examples of textiles suitable for medical device uses carried in-stock by TVF include:

[70 Denier Nylon Taffeta](#) – smooth and versatile for applications like surgical drapes, isolation gowns, sterile equipment covers, patient transfer, pressure injury prevention devices and more – available uncoated, coated, high count, and PVC backed.

[200 Denier Textured Polyester Oxford](#) – lightweight, water-resistant, adaptable, and printable for applications

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including outer shells of leaded x-ray aprons, laundry bags, linings, and more.

[200 Denier Nylon Oxford Cloth](#) – soft, pliable, available in nearly two dozen colors for applications include support sling components, transfer devices, and covers.

[1050 Denier Ballistic Nylon](#) – resilient, durable, flexible for external shells of orthopedic support systems or support braces where freedom of movement and strength are needed.

TVF carries dozens more in-stock options that can be formulated with finishes, coatings, and colors that meet strict specifications. TVF Sales Consultants can also work side-by-side with customers to develop customized solutions.