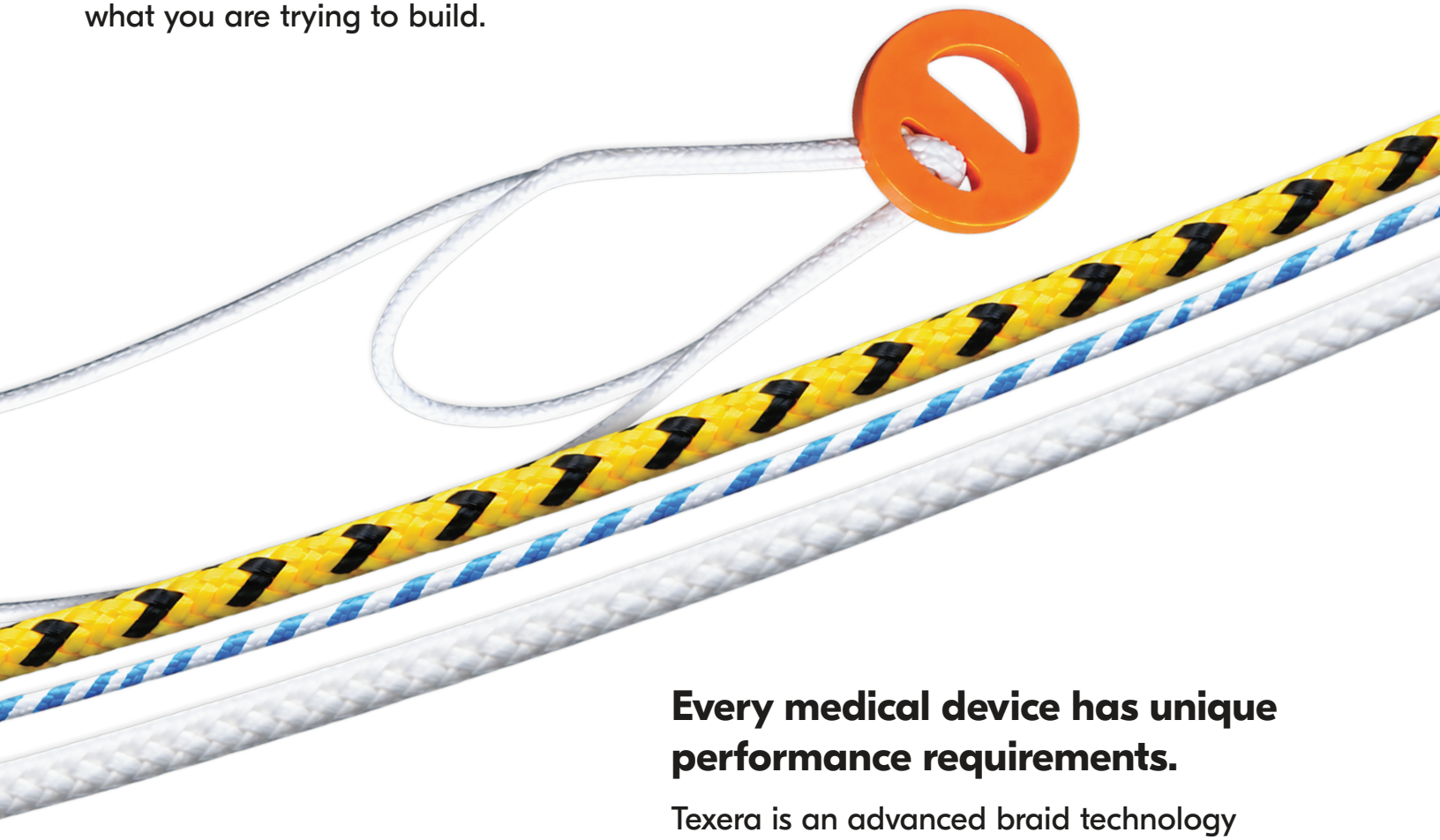
Texera™

Braid Technology

Build Better Medical Devices with Advanced Braid Technology.

Texera™ braid technology, powered by Pearsalls UHMWPE Fiber, helps medical device manufacturers develop stronger, lighter, and more differentiated productssolutions rarely fit what you are trying to build.



Every medical device has unique performance requirements.

Texera is an advanced braid technology platform that helps OEMs develop customized UHMWPE braid solutions engineered specifically for their application.

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Pearsalls

Texera™
Braid Technology

Engineered for Strength. Designed for Motion.

Engineering Platforms

Every medical device requires different performance characteristics. Texera combines Pearsalls UHMWPE Fiber with advanced braid engineering to create customized solutions optimized for your application.

Texera Atomic ultra-fine diameter

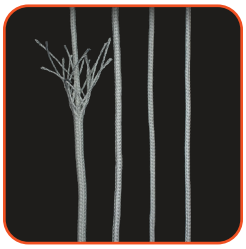
Ultra-fine diameter braid solutions for minimally invasive design

- Smaller implants
- Smaller delivery systems
- Minimally invasive designs

Ideal for: Cardiovascular Implants, Steerable Catheters, Robotic Surgery

Texera Excalibur maximum strength

High-load braid architectures for demanding applications



- Highest strength braid
- Higher loads
- Smaller implant footprints
- Increased safety margins

Ideal for: Ligament Repair, Orthopedics

Texera Hornet hybrid construction

Multi-material and customizable braid configurations

- Alternative fiber options
- Cost optimizations
- Color customization
- Robotic visibility
- Enhanced handling

Ideal for: Robotic Surgery, Visual Indicated, Sports Medicine

Texera RFR variable geometry

Braid structures that change shape and function

- Round-to-flat transitions
- Integrated functionality
- Unique device architectures

Ideal for: Internal Brace Systems, Tendon & Ligament Repair, Implantable Tethers

Texera Loop integrated fixation

Built-in loops, knots, and fixation features

- Pre-formed loops, toggles, and knots
- Reduced assembly
- Faster development
- Simplified procedures

Ideal for: Sports Medicine, Arthroscopic Fixation, Cardiovascular Tethers

Texera Glide precision glide

Engineered for smooth delivery and control

- Superior concentricity
- Cut-to-length with tip options
- Lower friction
- Improved manufacturability

Ideal for: Catheter & Guide Applications, Device Delivery, Tether & Routing Systems

Texera™ Engineered for Strength. Designed for Motion.

What This Means for Your Device

Engineered Performance

Customized braid architectures optimized for strength, flexibility, and handling.

Medical Focus

Designed specifically for sports medicine, orthopedic, cardiovascular, and minimally invasive applications.

Development Partnership

From concept through commercialization, we work alongside your engineering team.

Manufacturing Confidence

Scalable manufacturing backed by decades of textile expertise.

Let's Build What's Next

Whether you're developing the next breakthrough in sports medicine or refining an existing orthopedic platform, Texera helps transform innovative ideas into customized braid solutions.

Learn more about INNOVATION LAB

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