Partner Spotlight

Two decades of innovation in minimally invasive orthopedic procedures

Therapeutic area

- **Trauma & Sports Medicine**

Product

- **Ulteeva Purity™ UHMWPE Fiber**

Capabilities

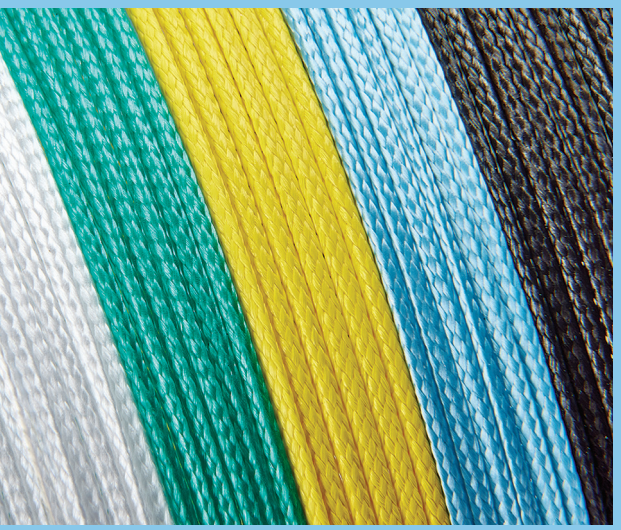
- **Biomaterials expertise**
- **Quality Assurance & Regulatory Affairs (QARA) support**
- **Technical support**

Partnering for the challenge

Our partner, a pioneering top 10 global orthopedic device manufacturer, sought an innovative replacement to metal-based devices used in closure. To advance minimally invasive procedures (MIPs), they needed a long-term supplier of ultra-high-molecular-weight polyethylene (UHMWPE) medical grade fiber. The challenge for the Biomedical team at dsm-firmenich was to continually innovate throughout the 20+ year relationship to help drive partner revenue and market share.

Why it matters

The global market for minimally invasive surgery was valued at $60.6 billion in 2020 and is expected to grow to $94.4 billion by 2030, a compound annual growth rate of 4.7% between 2021 and 2030.[1] The potential benefits of MIPs to patients are decreased trauma, blood loss, risk of surgical complications, risk of infection, scarring, hospital stay, recovery time, pain, and need for medication.[2]



Our innovation

For more than 2 decades, our partner has leveraged several key competencies:

- All Ulteeva Purity™ solutions have extensive FDA Master Files and meet associated ASTM and ISO standards. Ulteeva Purity™ Fiber is fully ASTM F2848-21 compliant with a dedicated manufacturing facility.
- A proven track record of excellent technical performance with the longest clinical history of any UHMWPE fiber.
- Our commitment to unceasing innovation with a broad range of high-contrast colors, densities, and formulations available in our portfolio.

Our impact

Since 2017, our partner's compound annual growth rate (CAGR) has ranged from 2% to 5% each year[3] due, in part, to our 20+ year track record of evolving and expanding not only our Ulteeva Purity™ solutions, but also across our entire biomaterials portfolio.

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References: 1. The global MIS market, valued at $60,643.0 million in 2020, is projected to reach $94,421.7 million by 2030. www.linkedin.com. Accessed August 2, 2024. https://www.linkedin.com/pulse/global-mis-market-valued-606430-million-2020-reach-944217-banerjee-kvrhf/ **2.** What is minimally invasive surgery? Cleveland Clinic. Published October 29, 2023. https://my.clevelandclinic.org/health/procedures/minimally-invasive-surgery **3.** Data on file at dsm-firmenich.

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