



## Smooth Operation for Surgical Tools

**Application: Hand-Held Suture Deployment System**

**Location: USA**

### Challenge

A medical device company that designs novel surgical tools for arthroscopic procedures developed a hand-held device that enables surgeons to place stitches in very tight joint compartments, while protecting sensitive surrounding structures such as nerves, arteries and cartilage. This single use device has applications in numerous arthroscopic procedures in knees, hips and shoulders. The company had been using a competitor grease to lubricate the shaft within the system but wanted to explore alternatives. The company came to us in search of a food-grade grease to reduce noise, vibration, and harshness in the surgical tool.

- Can we provide a food-grade lubricant that ensures smooth operation in the suture device?

### Solution

UNIFLOR™ 8512-FG

PTFE thickened, medium viscosity, fluorinated grease

- NSF H1 Approved: Registration #136803 for incidental food contact
- Dampens noise, vibration, and harshness
- Wide operating temperature range

### Results

Before going forward, the medical device company audited us and was impressed with our ISO 13485:2016 certification and placed us on their Approved Supplier List. After passing in-house validation tests, the company decided to implement UNIFLOR™ 8512-FG in their surgical tool design. They pleased with the results and our short lead times that enabled them to meet the increased demand for their product.

### Advantages

NSF H1 Approved

Dampens noise, vibration, and harshness

Wide operating temperature range