

COMPONENT SOLUTIONS FOR SURGICAL ROBOTIC EQUIPMENT

Precision and reliability are essential for medical device performance. That's why leading medical robotic equipment manufacturers turn to Fralock for advanced component solutions.

With over five decades of expertise, Fralock specializes in providing high-performance custom parts and assemblies tailored for medical and surgical robotics systems.

Certified to ISO 13485:2016 and FDA registered, Fralock delivers the innovation and quality that top-tier healthcare equipment manufacturers depend on for product efficacy and patient safety.

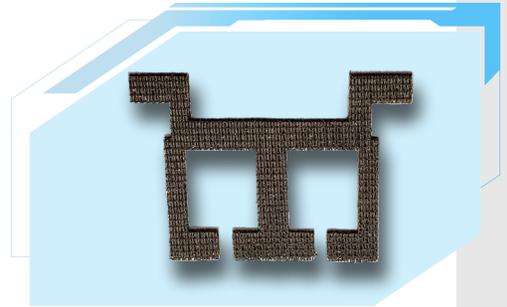


ENGINEERED FOR YOUR MOST DEMANDING APPLICATIONS

Fralock provides custom **specialty engineered materials, ceramic solutions, and flexible circuits** designed to meet the stringent demands of evolving medical technology.

SPECIALTY ENGINEERED MATERIAL COMPONENTS

- Electrical insulators
- EMI/RFI shielding
- Thermal interface
- Gaskets and seals
- Antifriction components (washers, plates, and couplings)
- Specialty polymers such as hold downs, shims, and standoffs
- Silicone and dielectric elastomers for hydraulic systems



ENGINEERED TECHNICAL CERAMICS

- **Multi-layer heaters** – rapid thermal cycling, precision temperature control
 - Cauterizing blades and knives
- **Structural ceramics**
 - Insulators
 - Feed throughs
 - Electrodes and electrode holders
 - Camera lenses
 - Jaws and grippers
 - Valves for fluidic irrigation/aspiration/blowing systems



FLEXIBLE & RIGID-FLEX CIRCUITS

- Fine-line polyimide flexible and rigid-flex circuits
- Single and multi-layer flex circuits
- Extended length flex circuits and interconnects 15 ft +
- All-polyimide lamination (no adhesives used - ALT Dura™ product) or adhesive-based lamination available





COMPREHENSIVE MANUFACTURING PARTNERSHIP

Fralock has built our reputation on tackling complex challenges to serve our medical device OEM customers. By collaborating closely with your engineering team, we apply our vast knowledge of materials, design, and engineering to develop the optimal solution for your application.

Manufactured with our advanced precision manufacturing, Fralock products deliver high performance and reliability.

At Fralock, we go beyond simply supplying parts—we deliver engineered solutions that enhance both assembly efficiency and overall



Supporting Applications Requiring:

- Durability
 - Reliability
 - Compact Size
 - Light Weight
 - Autoclave Sterilization

Why Fralock?

Fralock offers a comprehensive suite of engineered material components and assembly services under one roof, streamlining your supply chain and reducing costs associated with managing multiple suppliers. By consolidating sourcing, we help you minimize administrative overhead, reduce production time, and expedite product rollout.

LET US HELP YOU WITH YOUR CHALLENGING APPLICATION!