

# COMPONENT SOLUTIONS FOR MEDICAL IMAGING EQUIPMENT

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

With over five decades of expertise, Fralock specializes in providing high-performance material parts and assemblies tailored for diagnostic and therapeutic imaging 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

When you're tackling complex engineering challenges, Fralock is your trusted partner for custom components. Collaborating closely with your development team, we assist you with material selection, laminations, cutting-edge design strategies, engineering expertise, and precision manufacturing to ensure peak performance and reliability. Our solutions are ideal for a broad spectrum of imaging systems.

## Applications Include:

### DIAGNOSTIC SYSTEMS

- CT Scanners
- MRI Systems
- Mammography

### IMAGE-GUIDED THERAPY

- Surgical Robotics
- X-Ray
- Angiography

### ULTRASOUND

### ENDOSCOPY

### MOLECULAR IMAGING



Our offerings encompass **specialty engineered materials** and **ceramic** solutions, **flexible circuits and heaters** that are designed to meet the stringent demands of modern medical technology.

### SPECIALTY ENGINEERED MATERIAL COMPONENTS

- Electrical insulators
- Defibrillator components
- Sensors & electrodes
- Grounding pads
- EMI/RFI Shielding
- Thermal Interface
- Gaskets & Seals



### ENGINEERED TECHNICAL CERAMICS

- **Multi-layer heaters** – rapid thermal cycling, precision temperature control
- **Structural ceramics**
  - Insulators
  - Feed throughs
  - Electrodes and electrode holders
  - Pump components
  - Fluid dispensing nozzles
  - Hermetic dielectric packages for sensors



### FLEXIBLE CIRCUITS AND HEATERS

- Fine-line polyimide flexible and rigid-flex circuits
- Single and double-layer flex circuits
- Multi-layer flex circuits
- Extended length flex circuits and interconnects up to 15 ft +
- Large format
- Stiffener, shielding & heat spreader options
- Adhesiveless (ALT Dura™ products) or adhesive bonding available
- Custom engineered solutions for high temperature applications
- Turnkey builds



## 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, improve production efficiency, and accelerate time to market.

**LET US HELP YOU WITH YOUR NEXT CHALLENGING APPLICATION!**

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