

Other Services



Cleaning & Decontamination

- ☞ Loaner Kit Processing (Medical Instrument Trays)
- ☞ Device Field Returns
- ☞ Reusable Device Cleaning Validation
- ☞ Dental Kits
- ☞ Durability Testing



Fulfillment & Distribution

- ☞ Supply Chain Management
- ☞ Warehouse Inventory Management
- ☞ Packaging and Kitting
- ☞ Global Distribution
- ☞ Instant Tracking Information
- ☞ Temperature Controlled Storage



Quality Incubator Support

- ☞ Regulatory Address at LSO
- ☞ Quality System Documentation
- ☞ Device Master Records
- ☞ Complaint Handling and CAPA
- ☞ UDI Implementation
- ☞ FDA Registration Support

Purpose-built service offerings designed to accelerate time to market and reduce costs.

Our end-to-end solutions integrate assembly, kitting, packaging, and quick-turn sterilization under one roof, with access to pre-validated packaging solutions and validation services.

We Serve Your Market

At Life Science Outsourcing, we pride ourselves on being market agnostic, serving as your strategic ally throughout the MedTech domain. We seamlessly manage assembly, packaging, sterilization, and design processes regardless of the market niche. Our deep regulatory knowledge accelerates OEM launches across varied MedTech segments, proficiently mitigating risk and accelerating time to market.

Life Science Outsourcing has partnered with more than 1,400 medical device innovators to streamline production and navigate complex regulatory requirements.



**One Stop Shop
From Concept to Commercialization**



**Faster Time to Market
Responsive, Agile and Flexible**



**World Class Quality Performance
Your Trusted Partner
for Quality and On-time Delivery**

Start Up. Speed Up. Scale Up.

Life Science Outsourcing is an FDA-registered and ISO 13485-certified, performance-driven Contract Manufacturing Organization focused on assembly, packaging, sterilization, and specialized capabilities diagnostics packaging & design.

Our unique business model emphasizes in-house, end-to-end process and service offerings, coupled with deep regulatory knowledge. This provides the agility and flexibility necessary to accelerate go-to-market launches, while standardizing supply chain and mitigating risk.



Innovative Medical Device Assembly, Packaging and Sterilization



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**Life Science
Outsourcing**
Bringing Medical Innovations to Life



Medical Device Assembly

Innovative assembly, packaging and sterilization



Merging Precision and Innovation for Implantable Textile Devices

- ☑ Anatomically correct formed textiles
- ☑ Particulate free
- ☑ Smooth edges to prevent tissue irritation
- ☑ Processing to prevent suture pull-out
- ☑ Bio-absorbable processing



Thermoforming Solutions: An Integral Part of our End-to-End Services

- ☑ In-line, high-speed roll-fed thermoforming and die-cutting
In-house Machine Shop
- ☑ Single-sheet thermoforming and die-cutting, perfect for custom production and small batches
- ☑ Work with a range of materials including PETG, PVC, Styrene, RPET, TPU, and Lexan/Polycarbonate
- ☑ Expert engineering team on standby to provide invaluable insights and design optimization during the product development phase



Sterilization & Validation

Contract sterilization and validation services for single use and reusable devices



In-House Contract Sterilization Solutions

- ☑ In-House Steam Sterilization with 17 ft³, 19 ft³, and 74 ft³ sterilizers
- ☑ In-House EtO Sterilization 8 ft³ sterilizers
- ☑ Biological Indicator (BI) Testing
- ☑ Contracted Gamma and e-beam
- ☑ Contracted Large Chamber EtO capabilities



Navigating Regulatory Complexity and Accelerating Time to Market

- ☑ Steam Processing - ISO 17664 / 17665-1 & -2
- ☑ Ethylene Oxide Processing - ISO 11135
- ☑ Gamma Radiation Processing - ISO 11137
- ☑ E-Beam Radiation Processing - ISO 11137



Medical Package Testing

Packaging design, validation and testing

Stability & Performance Testing

- ☑ Accelerated Aging - ASTM F1980
- ☑ Real-time Aging (Controlled Temp.)
- ☑ Distribution Simulation
 - ☑ ASTM D4169
 - ☑ ISTA 1A, 1G, 2A, 3A
 - ☑ Conditioning (ASTM D4332)

Sterile Barrier Testing

- ☑ Visual Inspection - ASTM F1886
- ☑ Peel Strength - ASTM F88 / EN 868-5
- ☑ Burst - ASTM F1140
- ☑ Dye Penetration - ASTM F1929 / F3039
- ☑ Bubble Leak - ASTM F2096
- ☑ Altitude Simulation - ASTM D6653

