

CLEANROOM ASSEMBLY & CONTRACT MANUFACTURING SERVICES

Forum offers a full suite of assembly, subassembly & value-added services to support our clients project needs. Each process operates under Lean Six Sigma methodology and utilizes a quality focused multi-step release criteria, allowing for an integrated process verification & validation in addition to, final qualification testing phases.

With experiential proficiency in handling medical products spanning ranges from Class I, Class II and Class III devices, the Forum team uses the utmost care and scientific methodology to ensure the highest levels of quality and consistency. Given this and recognizing the critical impact of these products, the Company conducts the assembly of its medical devices in our Class VII cleanroom of devices that require lower bioburden assurance and continuity.



FORUM'S CORE COMPETENCIES

Multi-part bonding and adhesion methods: Forum uses a variety of bonding and adhesion methods, such as solvent, UV cured and adhesive bonding, ultrasonic welding, and mechanical fastening. The project requirements, application and end-use will help inform which methods are best suited for the project.

Insert molding is often times used to create a mechanically bonded component using metal or alternate material base platforms onto which molten plastic flows around the insert, providing for increased mechanical strength, lumen consistency and product specific core stability.

Overmolding, wherein one base layer is molded over using an alternate material platform creates a mechanically bonded single component. The outer layer is often an elastomer material used to give the product pliability, texture and improved grip.

ADDITIONAL CAPABILITIES

- Automated trimming/cutting/slitting
- Drilling, threading, and machining
- Electromechanical assemblies / testing
- Friction fit assembly (press fits)
- Heat insert installation
- Laser marking
- Mechanical and electromechanical assembly

- Micro assembly / high power magnification
- Multiple manufacturing lines with expertise in precise assembly under microscope
- Pad printing
- Soldering
- Ultrasonic welding

FORUM

CORE SERVICES

- Bluetooth enabled or Wi-fi connected device assembly
- Device sequential and regulatory requirement labeling
- Functional Testing
- Pre-sterilization device packaging and labeling
- Multi-component sourcing
- Serialization services
- Tooling and fixture development



CUSTOM FIXTURES

Forum's in-house technical capabilities include designing and building custom tooling and fixtures as required for each step in the assembly operations.

CUSTOM OPERATIONS

The Forum team works collaboratively to provide an integrated, efficient and repeatable manufacturing solution for operations ranging from simple to highly complex assemblies.

AUTOMATION

Forum continues to develop innovative processes to provide their clients with timely, cost effective and highly effective automation-based solutions for their components, subassembly or device



MEDICAL MANUFACTURING THERAPEUTIC AREAS OF FOCUS:

- Diabetes management
- Diagnostic devices
- Disposable infusion pumps
- Drug delivery
- Energy-based devices
- Implant technologies:
 - o Neurology
 - o Spinal & Orthopedics
 - o Cardio & Peripheral Vascular
- Minimally invasive devices
- Endoscopic and laparoscopic tools
- Oncology
- Surgical robotics
- Surgical devices and tooling
- Urological devices
- Wearable, connected, and patient monitoring technologies
- Women's health products

As an FDA-certified company, Forum provides full assembly and packaging services up to a finished or semi-finished part for MedDev and biotech products.