

**Speed matters in MedTech development. The Resonetics® Lightspeed Lab® helps accelerate product innovation through quick-turn prototyping, collaborative engineering, and advanced manufacturing expertise designed specifically for medical devices.**

Lightspeed Lab® is a network of specialized teams and advanced technologies integrated into our production facilities, dedicated to supporting MedTech customers with rapid prototyping of components and complex sub-assemblies from concept to commercialization. Our experts develop scalable manufacturing processes that help bring our customers products to market faster with shortened development cycles and better long-term outcomes.

### **The Lightspeed Lab® difference**

Purpose-Built for MedTech Innovation

- 150+ engineers and technicians focused on medical device prototyping and process development
- State-of-the-art advanced manufacturing and inspection equipment exclusively reserved for quick turn prototyping
- Our material department stocks over 1,500 SKUs and has access to more than 4,500 SKUs of quick-turn materials ensuring materials are readily available
- Internal network of experts who will collaborate to determine the best manufacturing processes for your device
- Direct engineer-to-engineer communication for deep collaboration and problem-solving
- Disciplined phase gate process for transferring projects to production
- Lightspeed Lab Day offering

RESONETICS®

**LIGHTSPEED  
LAB®**

**Industry-leading  
solutions for rapid  
prototyping and  
process development**

## Lightspeed Lab<sup>®</sup> day

### Rapid iteration. Real-time collaboration.

Accelerate your development timeline with a Lightspeed Lab<sup>®</sup> Day - an immersive, on-site experience built around collaboration, rapid prototyping, and immediate results.

During a Lightspeed Lab<sup>®</sup> Day, customers work directly with Resonetics engineers and technicians using specialized prototyping and testing equipment to evaluate designs, solve challenges, and iterate in real time.

### Benefits of a Lightspeed Lab<sup>®</sup> day

- Collaborate in person with dedicated Lightspeed engineers and technicians who will be responsible for making your parts
- Leverage our on-site prototyping and testing capabilities, or bring your own equipment, to assess component performance and manufacturability
- Eliminate weeks or months of the design cycle
- Complete 5-15 iteration in a single day

By compressing development cycles into a hands-on collaborative experience, Lightspeed Lab<sup>®</sup> Days help customers move from concept refinement to actionable results faster than traditional development approaches.

### Accelerate your path to market

Whether developing minimally invasive devices, advanced implants, sensors, or complex assemblies, Lightspeed Lab<sup>®</sup> provides the expertise, technology, and rapid execution needed to support every stage of product development.

From early-stage concepts to scalable manufacturing processes, Resonetics helps MedTech innovators move faster with confidence.



Learn More  
Resonetics.com

## Rapid prototyping capabilities

Lightspeed Lab<sup>®</sup> offers a broad range of advanced manufacturing capabilities to support complex MedTech applications and accelerate product development.

### Core Capabilities:

- Nitinol processing
- Laser processing
- Centerless grinding
- Photochemical machining
- CNC machining
- Micro waterjet cutting
- Sensor development

Our teams collaborate across technologies to rapidly prototype components and assemblies while identifying scalable manufacturing solutions for future production needs.

