

MEDICAL DEVICE
COMPONENTS



Lighteum Rapid Development Center Capabilities



Laser Cutting

Fully-Customized Femtosecond Laser Cutting Systems

- Tube cutting and drilling
- On and off axis
- Flat sheet cutting
- Multi-axis ablation



Laser Welding

Semi-Automated Laser Welding Systems

- 3-axis and 4-axis systems
- Fiber-based systems with coaxial camera
- Pull-ring and PGM electrode welding
- Subassembly welding
- Radiopaque markerband welding



Electropolishing

16 Independent workstations

- Full-scale production capable
- Largest nitinol electropolishing capacity in Southern California
- Standard or custom-developed chemicals
- Materials: Nitinol, SS, CoCr, Titanium



Shape-Setting

- Automated salt bath and fluidized bed heat shaping
- Customized shape-setting tooling
- DSC testing for tuning nitinol Af temp
- Includes nitinol wire forming



Contact our technical experts today

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