

How will your medical device come to life?

With a single vendor that makes your entire device, from the sharp metal "business end" to the molded plastic handle and everything in between.

With a dedicated partner offering unparalleled experience in manufacturing components and medical devices.

With end-to-end manufacturing solutions encompassing DFMA, prototyping, product development and production all the way to packaging.

With stringent quality standards built into every step.



 **TEGRA**
MEDICAL

Where medical devices come to life.™

END-TO-END SOLUTIONS FROM



MANUFACTURING PARTNER



Prototyping and Product Development

The first step in offering end-to-end manufacturing solutions is our GENESIS Tech Center® product development resources.

Featuring dedicated space equipped with production-level machines and staffed by product development experts, our GENESIS Tech Center services are focused 100-percent on prototyping, development and pilot production.

Manufacturing Capabilities

Manufacturing of complex components to finished devices, taking advantage of robotic automation and Class 7/Class 8 cleanrooms for production, assembly, and packaging.

Quality is infused at every step with ISO 13485 certification, FDA QSR compliance, FDA contract manufacturer registration, and a full quality staff to support process development and production.

Design for Manufacture and Assembly

Cost-effective, scalable refinement of product designs

Review design, materials, processes

Identify cost-drivers and potential risks

Complete program management

Prototyping

Quick turnaround prototypes to help increase speed to market

Rapid prototyping

Design fine-tuning, 3-D printing

Functional prototypes

Pilot Production

Low-volume manufacturing under tight deadlines

Full range of capabilities with resources dedicated to product development

Same quality standards as full-scale production

Seamless scale-up to full production

Full Scale Production

Manufacturing ramp-up, full scale production

Extensive range of manufacturing capabilities

Supply chain management

Black Belt, SPC, validated processes, ISO 13485, Kanban

Continuous improvements for year-over-year cost reductions

Assembly

Full device assembly

Laser welding, insert molding and bonding (ultrasonic, thermal, UV, adhesive)

Validated cleaning, passivating, electropolishing

Automated high-volume needle assembly

Soldering and testing for electronic applications

Shrink tube application

Pad printing and electrochemical marking

Class 7 and Class 8 cleanrooms

Packaging and Sterilization

Complete packaging and sterilization services

Pouch and tray sealing, IFU, labeling and more

Bulk and individual unit packaging

Management of Gamma and ETO sterilization



Medical Specialties

Cardiac care
 Diabetes
 Neurology
 Ophthalmology
 Orthopaedics
 Pain management
 Radiology
 Women's health
 and other medical
 specialties

Examples of Use

Our devices play a role in many interventional, minimally-invasive and other procedures including arthroscopy, endoscopy, joint reconstruction, biopsies, and drug delivery.

Product Examples

Cannulas
 Catheters
 Fixation systems
 Implants
 Mandrels
 Needles
 Probes
 Stylets
 Wires and many more

Technologies

With a wide range of manufacturing technologies we can make your complex components and complete, finished devices.

CNC grinding
 CNC milling
 CNC turning
 Electrochemical machining and deburring
 Injection/insert molding
 Laser cutting
 Laser marking
 Laser welding
 Metal forming
 Nitinol shape setting
 Sinker EDM
 Stamping
 Swiss machining
 Wire EDM



Wire and Hypotube Shipped Overnight

We offer over two million feet of coated and uncoated stainless steel wire and tubing, plus Nitinol wire for same-day shipment. Custom cutting, grinding, and finishing is available in a few days.

BOSTON

MEMPHIS

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www.tegramedical.com or 508.541.4200

