



Where medical devices come to life.®

Services and Capabilities

SERVICES OVERVIEW

Tegra Medical is an end-to-end contract manufacturer of finished medical devices and complex components. We offer a range of services from Design for Manufacture and Assembly (DFMA) and prototyping to full production, including final device assembly and packaging.

GENESIS TECH CENTER® PRODUCT DEVELOPMENT

- Dedicated equipment and personnel
- DFMA
- Prototyping
- Pilot production

ASSEMBLY PROCESSES

- Thermal and ultrasonic bonding
- Adhesive and UV bonding
- Validated cleaning, passivating and electropolishing
- Ultrasonic welding
- Soldering and testing for electronic applications
- Shrink tube application
- Pad printing and electrochemical marking
- Robotic automation

FINISHED DEVICES

- Class 7 and Class 8 cleanroom molding, assembly and packaging
- Sealed tray and pouch packaging
- Finished product labeling
- Sterilization logistics management

PROGRAM MANAGEMENT

- Program managers assigned from development to production
- Process validation including Production Part Approval Process (PPAP)
- Supply chain management
- Kanban agreements
- Continuous improvement for year-over-year cost reductions

QUALITY MANAGEMENT SYSTEMS

- ISO 13485 certified
- FDA QSR-compliant
- Registered with the FDA as a contract manufacturer
- Full quality staff to support process development and production operations



CAPABILITIES OVERVIEW

Tegra Medical offers a wide range of manufacturing capabilities with metal and plastic. We share these capabilities across our four locations to increase flexibility and mitigate risk. The table below highlights some of our key manufacturing technologies and associated capabilities.

KEY TECHNOLOGIES	CAPABILITIES
CNC milling	4- and 5-axis / instruments and implants
CNC lathes	Up to 4" diameter
Swiss machining	From .020" to 1.5" diameters
Wire EDM	.004" to .012" wire
Sinker EDM	Micro hole drilling included
Laser cutting	Tubular and flat components
Laser welding	All metals / miniature components
Laser marking	Marking and engraving
CNC grinding	Custom needle, biopsy and surgical cutting
Electrochemical	Burr-free cutting and grinding
Stamping	Progressive die stamping
Injection molding	Insert and micro molding / Class 8 cleanroom
Metal forming	Swaging, bending, flaring, coining
Cleaning systems	Validated cleaning system in all facilities
Nitinol shape setting	Wire, tube, and sheet metal
Gundrilling	Deep hole drilling

MATERIALS	
Metals	Plastics
Stainless steel	PEEK
Nitinol	PTFE
Titanium	ABS
CoCr	Parylene
MP35N	Radel
Platinum	Pebax

Tegra Medical® is an end-to-end contract manufacturer of medical devices. From the "business end" to the handle and everything in between, we manufacture the whole device, then finish, assemble and package. Tegra Medical - Where medical devices come to life.

