



We eliminate the challenges,  
you capture the market.

**Design Space:** 10,000 sq. ft

**Industry Focus:** Medical & Biotechnology  
Industrial & Commercial

**Overview:**

Sparton's Plymouth, MN location serves medical and high-end industrial customers in regulated and complex environments. We can be your partner along the entire value chain from design, contract engineering support, prototyping and manufacturing, supply chain management and aftermarket services.

**Key Capabilities at Plymouth:**

- Electronics engineering
- Firmware and software engineering
- Mechanical engineering
- Strong regulatory support
- Rapid prototyping
- DRM and DFT support for cost effective ease of transfer into manufacturing

**Certifications:**

- ISO 13485:2003 (medical device)

**Engineering Services and Technology:**

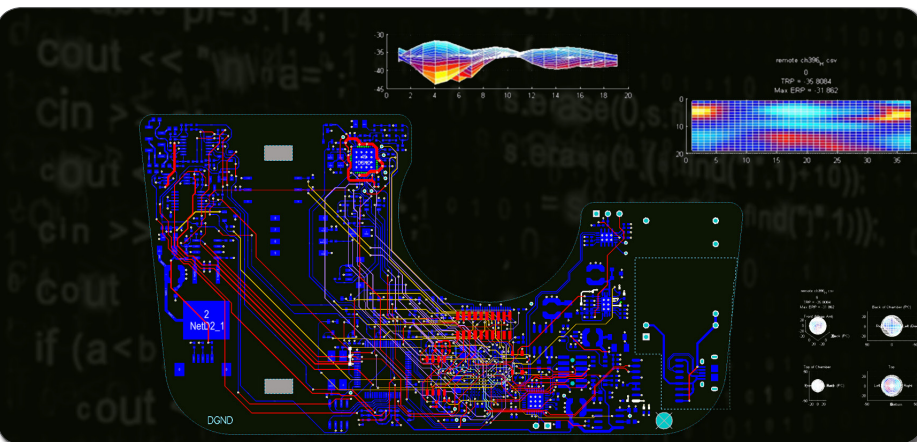
- Conceptual design
- PCB layout
- PCB and multiphysics simulation
- Electromechanical design
- Embedded software development
- Design for manufacturability
- Design for testability
- Design for supply chain

**Application Experience:**

- Blanket warming
- Embryo microscope
- License plate recognition
- Doppler Radar
- Nebulizer
- Digital cameras
- Automated camera controller
- Wireless (WiFi and BLE) temperature and pressure monitor
- AF calibration box
- Magnetic catheter tip tracking system
- Pressure and flow meter
- Wired audio to RF-enabled hearing aid accessory
- Electro spray

**Technological Expertise:**

- Analog
- Optics
- RF
- Bluetooth
- Wearables and low-powered wireless systems



**Plymouth | 2015**

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