



# We eliminate the challenges, you capture the market.

**Design & Manufacturing Space:** 60,000 sq. ft

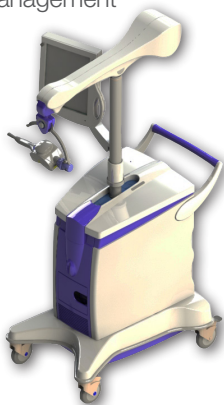
**Industry Focus:** Medical & Biotechnology  
Industrial & Commercial

**Overview:**

Sparton's Ohio operation located in Strongsville, near Cleveland, is uniquely qualified to manufacture for OEMs in the medical and industrial market-spaces. From start-ups to the most recognizable medical device companies in the world. We can manage the full turnkey product value stream and operational portfolio, and with after-market services and obsolescence management, we can be your partner for all. In addition to our design and manufacturing capabilities, Sparton can add value by managing service support, organizing reliability studies, and driving cost reductions for our customers to gain a competitive advantage.

**Key Design Capabilities:**

- Full Service (ME, EE, SW, SE, PM) medical design and engineering
- Extensive experience with instrumentation and device development
- Engagement at any point from concept to production
- Specification and concept development
- Engineering and pre-production builds
- Design verification and compliance testing
- Risk management
- Reliability studies
- DHF management



**Certifications:**

- ISO 13485
- FDA/QSR registered-class I, II, and III
- MFI licensee
- Six sigma master black belt
- LEAN manufacturing
- RoHS and reach, IEC 60601-1, UL, CE, ETL, TUV, CAS, ISO Class 8, ISO 14971:2007, IEC 62304, 21 CFR80

**Application Experience:**

- In vitro diagnostics
- Infusion systems
- Rental therapy
- Respiratory diagnostics
- Intravenous device control
- Therapeutic Devices
- Wound Management
- Cosmetic surgery

**Services:**

- Supply chain management
- Transparency and open book pricing
- IP creation and customer owned

**Technological Expertise:**

- Systems development & integration
- Consumables development
- Analog and digital processing
- Sample and reagent handling
- Fluidic control
- Thermal control
- Motion control
- Optics integration
- Sensor technologies
- Fuel cell technology
- Power supply & management
- Wireless technologies
- Battery power
- User interfaces

**Strongsville | 2015**

22740 Lunn Road, Strongsville, OH 44149  
440.878.4630

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STRONGSVILLE, OHIO  
MANUFACTURING  
FACILITY SNAPSHOT

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**Key Manufacturing Capabilities:**

- High-level electromechanical assembly and subassemblies
- Full-Functional wet testing and calibration
- Process validation
- Mature quality management system
- Schedule flexibility and responsiveness to meet fluctuations in demand
- Cost containment for low to mid volumes and small run quantities
- High-performing, cross-functional teams dedicated to program

**Application Experience:**

- Renal filter processing
- Cosmetic surgery
- Molecular diagnostics
- Endovascular surgery
- Patient monitoring
- Guide wire navigation
- Chromatography
- Therapeutic
- In vitro diagnostics
- Drug delivery
- Neurological electrical simulation
- Wound management
- Ophthalmology
- Endoscopy

**Services:**

- Inventory management
- Direct shipment to end user
- Supply chain management
- Transparency and open book pricing
- IP creation and customer owned
- Repair and refurbishment

**Technological Expertise:**

- Precision fluidics
- Lasers
- Blood filtration
- RF based signal processing
- Power supply
- Electronic signal processing
- Power supply modulation
- Robotic handling
- Raid thermal controls
- Optics

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