



## REMOVE DEVELOPMENT BARRIERS & ACCELERATE YOUR PATH TO MARKET

Medical device development demands extensive regulatory validation, specialized expertise, and significant testing infrastructure - creating resource constraints that can delay your time to market. Partner with Element to eliminate these barriers and streamline your development process.

### TRANSFORM YOUR TESTING PROCESS

Partner with Element to:

- Access state-of-the-art testing infrastructure without facility investment
- Leverage highly skilled experts without expanding headcount
- Accelerate your product's path to market
- Ensure regulatory compliance with validated processes

### ISO/IEC 17025 ACCREDITED TESTING SERVICES THROUGH EVERY PHASE OF THE DEVELOPMENT PROCESS

Secure the data you need to move your medical device products from early R&D to 510(k) clearance with a high degree of confidence and compliance.

- Cardiovascular devices
- Neurovascular devices
- Peripheral devices
- Orthopedic devices
- Dental devices



#### RESEARCH & DEVELOPMENT

- Rapid prototyping and iteration
- Custom test protocol development
- Flexible test frame setups
- Early-stage design validation

#### REGULATORY SUBMISSION

- 510(k) testing support
- De Novo submission testing
- Documentation expertise
- Validated test methods

#### POST-MARKET SUPPORT

- Batch testing
- Product modifications
- Comparative studies
- Quality control testing



## COMPREHENSIVE TESTING CAPABILITIES

### CARDIOVASCULAR MECHANICAL DEVICE TESTING

- Pulsatile Durability
- Bend Testing
- Crush Testing
- Axial Compression/Tension Testing
- Burst Testing

### NEUROSTIMULATOR/IMPLANTABLE LEAD AND IPG TESTING

- Flex Testing
- Drop Testing
- Insertion-Withdrawal
- Leakage Testing
- Dimensional Verification
- Kink Testing
- Header/IPG Mechanical Testing
- Tensile Testing
- DC Resistance
- Crush Testing
- HiPot Testing

### ELECTROCHEMICAL CORROSION TESTING FOR IMPLANTABLE DEVICES

- ASTM F2129

### CUSTOM R&D TEST DEVELOPMENT

- Low Load, High Cycle Fatigue Testing

### ORTHOPEDIC DEVICE MECHANICAL TESTING

- Tensile
- Torsional
- 3-point Bend
- Axial Fatigue
- Compression
- Static Fatigue
- Radial

## READY TO TAKE YOUR MEDICAL DEVICE DEVELOPMENT TO NEW HEIGHTS?

Discover how the team at Element Minneapolis-Minnetonka can streamline your product's path to market. Scan or click the QR code below to learn more:



ELEMENT MINNETONKA