TWIN CITY EDM

PRECISION ORTHOPEDIC INSTRUMENTATION MANUFACTURING

Delivering Surgical Confidence Through Absolute Precision, Biocompatible Materials, And Consistent Quality.

TRUSTED BY ORTHOPEDIC OEMS

Orthopedic Tools And Implants Operate In Unforgiving Environments. At Twin City EDM, We Produce End-To-End Orthopedic Instruments And Implants With The Tight Tolerances, Superior Surface Finishes, And Rigorous Documentation Required For Highly Regulated Medical Environments. From Prototype Development To High-Volume Production, We Deliver Inspection-Ready Parts That Meet The Real-World Demands Of Surgery.

WHAT WE MANUFACTURE

- Drills, Drivers & Cutting Guides
- Anchors, Plates & Fixation Devices
- Assembly-Ready Components for modular implant kits
- Titanium Housings & Interface Elements for robotic surgical systems
- Instrument Handles & Guide Sleeves

BIOCOMPATIBLE MATERIALS

Machined using controlled feeds and validated processes to maintain structural integrity and eliminate contamination risk:

- Titanium & Titanium Alloys
- Stainless Steels (17-4, 316L, and all 300/400 series)
- Cobalt-Chrome
- PEEK & High-Performance Polymers

EXPERT CAPABILITIES & PRECISION

We handle multi-process workflows and complex geometries that other job shops won't attempt.

- **Extreme Precision**: Dimensional accuracy within ±0.0001″
- **Advanced Machining**: 5-Axis CNC Milling, Swiss Turning, Wire & Sinker EDM
- **Surface Excellence**: Smooth finishes that reduce friction and resist contamination
- **Full Traceability**: Complete documentation from raw material to final inspection
- **All-In-House Value**: Machining, finishing, UDI/serialized laser marking, passivation, and custom packaging—done under one roof to reduce lead times.

THE TWIN CITY ADVANTAGE

Why leading medical device companies partner with us.

- **Proactive Problem Solving**: We solve design and machining challenges during development—not after delays.
- **End-to-End Support**: Seamless transition from prototype development to subassembly and final packaging.
- **Reliability**: We meet strict deadlines without ever compromising consistency or documentation.

LET'S BUILD ORTHOPEDIC INSTRUMENTATION THAT DELIVERS RESULTS. CONTACT US FOR A QUOTE.

CERTIFIED QUALITY: ISO 13485:2016 Certified | ISO 9001:2015 Certified

7940 Ranchers Road NE
Fridley, Minnesota 55432
763.783.7808
info@twincityedm.com
www.twincityedm.com