



# CUSTOMIZED TOOLS, IMPLANTS & INSTRUMENTS

for Orthopedic and Interventional Applications

Medical Component Specialists manufactures medical components for orthopedics and interventional applications. Our master grinding capabilities ensure precision and unsurpassed quality while our CNC machining enables high volume production to suit your production requirements.



- › High Precision Grinding & CNC Machining Capabilities
- › In-Line Manufacturing Processes
- › Quick, Nimble, and Responsive Production
- › Made in USA
- › High Quality Products — Exceptional Value



**ORTHOPEDIC PINS**  
K-wires, Steinmann Pins, and Trocars



**NEEDLES**  
Razor Sharp, Hollow point tips for biopsy needles



**DRILLS**  
Fluted drills, stems, burrs, diamond coated tools



**FORMED NITINOL**  
Material that exhibits the unique properties of shape memory and superelasticity.



**CUSTOM GRINDING**  
Through-feed, Infeed and Profile Centerless Grinding from .005" to 1.000"



**ASSEMBLY/ COMPLETE DEVICES**  
Custom hubs and handles for drills and tools

**GRINDING**

**CNC MACHINING**

**FORMING**

**FINISHING**

Contact us today for a personalized quote.

Call: **877-700-7797**, or go to: **[www.medicalcomponentspecialists.com](http://www.medicalcomponentspecialists.com)**

**MEDICAL COMPONENT SPECIALISTS — INSTRUMENTAL IN YOUR SUCCESS!**

42 WILLIAM WAY, BELLINGHAM, MA 02019 USA FAX: 508.966.0993  
R2 053018





## ORTHOPEDIC PINS — K-WIRES, STEINMANN PINS, AND TROCARS

- Single Point or Double Ended
- 304SS, 316SS, 17-7SS, Cobalt, Titanium
- Medical Threads (Threaded K-Wires)
- Diameters from .035" – .250"
- Various Biopsy Configurations
- Lengths from 1"-96"
- Standard 12° (or Custom Angles)
- Guide Wires



## NEEDLES — RAZOR SHARP, HOLLOW POINT TIPS

- Single Angle Slash Grind
- Multi Faceted 1 Angle (Bi Points, Tri Points, Trephine Tubes)
- Temperature Probes
- Endoscopic, Laproscopic Devices
- Multi Step / Tapered Needles
- Pencil Points



## DRILLS — FLUTED DRILLS, DRILL BLANKS, TAPS, BURRS

- Fluted Bone Drills
- Fluted Taps
- Hardened Medical Drill Blanks
- 465, 455, 440, M2, 17-4



## FORMED NITINOL — FLEXIBLE MATERIAL FOR INSTRUMENTS

- Shape memory implants
- K-wires & threaded guidewires
- J-hooks
- Steerable Nitinol drills
- Formed stylette & ablation tools
- Nitinol staples- super elastic



## CUSTOM GRINDING — THROUGH-FEED, IN-FEED AND PROFILE CENTERLESS GRINDING FROM .005" TO 1.000"

- Pencil Points
- Precision Through-feed (tol. to +/- .0001")
- Long Tapers
- Straight Plunge
- Concentricity Grinds
- Multiple Step Grinding
- Flat Grinds
- Hour Glass Shapes
- Guide Wires



## MACHINED ASSEMBLIES AND COMPLETE DEVICES

## APPLICATIONS

### Orthopedics

- › Arthroscopy
- › Spine
- › Interventional
- › Trauma
- › Small joint reconstruction
- › Large joint reconstruction
- › Dental reconstruction
- › Extremities

### Minimally-Invasive Surgery

- › Breast biopsy
- › Laparoscopy
- › Endoscopy
- › Soft tissue repair
- › Cardiovascular
- › Gynecology
- › Interventional

### Interventional Therapies

- › Guide wires
- › Introducers
- › Mandrels
- › Catheter components
- › Stylettes
- › Distal components

#### GRINDING

Step Grind • Through-Feed Grind • Form Grind • Taper Grind  
Fluting Grind • OD Grind • Needle Grind • Point Grind

#### CNC MACHINING

Swiss • 11 Axis • 7 axis • CNC • CNC cut off • CNC grinding

#### FORMING

Bending • Flaring • Swaging • Brazing • Welding  
Thread Rolling • Heat Setting • Heat Treatment

#### FINISHING

Tumbling • Centrifugal • Vibratory • Tumble Blasting  
Blasting, CNC Laser Marking • Electrochemical Marking  
Burnishing • Painting • Electro Polish • Passivation  
Ultrasonic Cleaning

## A Legacy of Excellence

Medical Component Specialists, Inc. was established in 2002, continuing the legacy of over 60 years of family grinding craftsmanship. Founder Jim Moore, a third generation craftsman, incorporates traditional craftsmanship, passed on through generations, with 21st century technology and a lean manufacturing style.

MCS has quickly become a preferred supplier of precision medical components from wire, rod and tubing to Medical OEM's throughout the US. New England-based MCS has a network of sales professionals located around the country to build personal relationships and provide exceptional customer service.

- › ISO13485 implantable medical device manufacturer
- › Lot traceability, complete certification
- › In-Line manufacturing to maintain quality and lower costs
- › Materials used to make MCS products meet ASTM-F899 (304SS), ASTM F-138 (316LVM), ASTM-F1537 (Cobalt-Chrome), ASTM-F2063 (Nitinol)

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