

Precision-Machined Medical Implants and Components



The gold standard for technology & talent

For over 45 years, rms Company has built a solid reputation in the medical device industry as the preferred partner for precision machined components and assemblies. With more than 450 CNC machine tools under one roof, rms has combined the latest technologies with decades of experience to become a certified supplier to most of the major medical device companies in the world.



For technical solutions from head to toe, rely on rms experts to deliver the manufacturing capabilities you need:

- High-quality, tight-tolerance components and sub-assemblies that help the human body perform as naturally as possible
- Design for Manufacturability (DFM)
- Prototype through clinical trials and production
- Process of continuous improvement for ongoing partnership

Markets and Products

Cardio/Neuro Stimulation

- Connector blocks and housings
- Connector assemblies
- Crimp sleeves
- Electrodes and tips
- Pin connectors
- Rings
- Set screws
- Molded header assemblies
- Lead assemblies
- Lead components
- Anchors
- Machined cans

Cardio/Peripheral/Interventional Vascular

- Delivery mechanism components and assemblies
- Implant components and assemblies

Orthopaedic

- Spinal
- Trauma
- Reconstruction

Ablation

- Delivery mechanism components
- Energy transfer components and sub-assemblies

Drug Delivery

- Machined case components
- Sub-components — infusion pumps, rings, etc.

Endoscopy

- Biopsy device components
- Endoscope components — tips, etc.

Precision machining, assembly and finishing under one roof

World-class machining capabilities

- Precision milling
- Swiss and lathe turning
- Wire and Sinker EDM
- Direct Metal Printing (DMP)
- Ultrafast laser micro drilling

Secondary processing

- Clean room assembly
- Swaging
- Micro laser welding centers
- Color anodizing
- Electro-polishing
- Finishing
 - Tumbling, vibratory, centrifugal and disc
 - Chemical deburring, titanium and stainless steel
 - Blasting, micro and bead
 - Polishing, including cobalt chrome
 - Cryogenic tumbling and blasting
- Cleaning
 - Precision cleaning, aqueous D.I. cleaning, ultra-sonics and vapor degreasing
 - Automated passivation 14-stations with bar-coded specifications
- Part marking
- Assembly



Customer experience and design support

- Cross-functional team project management support
- Design for Manufacturability (DFM)
- Full CAD/CAM capability
 - ProEngineer
 - SolidWorks
 - AutoCAD
- World-class metrology laboratory
- Full IQ/OQ/PQ capability
- Systemic traceability from raw material through components and final assembly

Quality and Regulatory Accreditation:

- ISO 13485
- FDA registered as contract manufacturer

Materials experience and expertise

- Stainless steels
- Titanium alloys
- Precious metals (Alloys of platinum, iridium, tantalum, palladium)
- Cobalt chrome
- MP35N
- Inconel
- Tungsten
- Numerous polymers including: PEEK, UHMW polyethylene, polysulfone and others



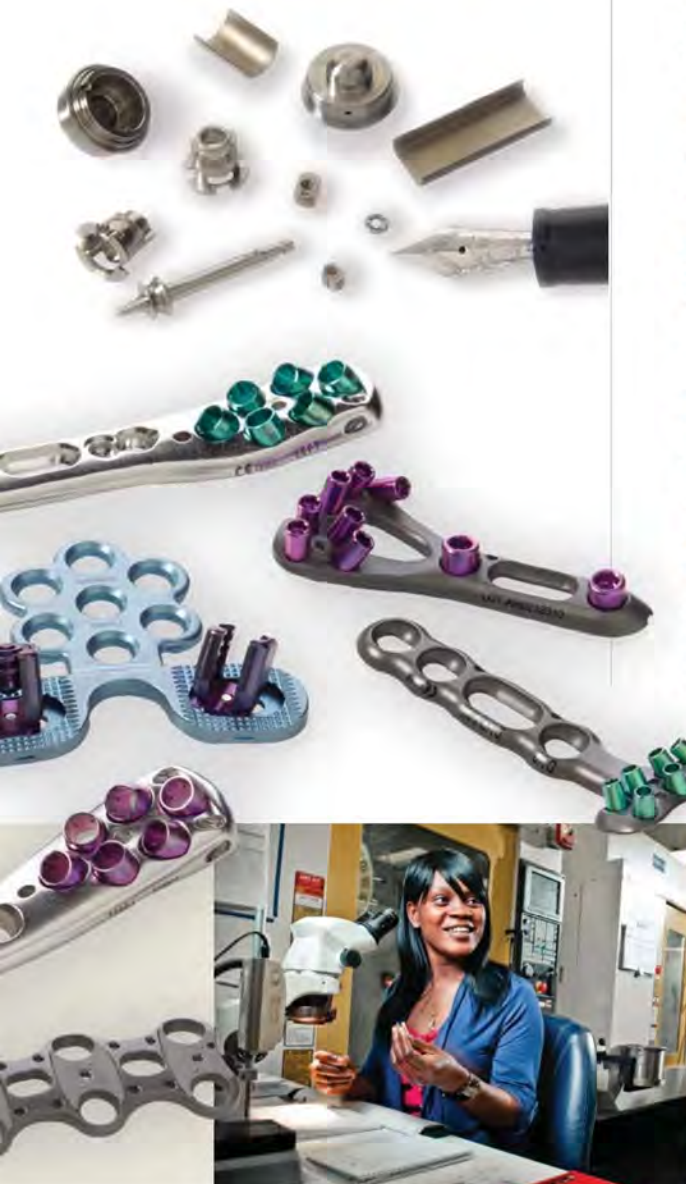
Cretex Medical

Cretex Medical is a growing family of companies that specializes in medical device contract manufacturing. Private ownership, a long-term perspective and a strong financial portfolio allow us to invest in the leading-edge technology and engineering know-how required to meet today's launch-critical timelines with confidence.

Whether you are a Fortune 500 medical technology stalwart or a promising startup, you can depend on our integrated approach to provide new efficiencies at every turn. When speed-to-market, quality compliance and design for manufacturability expertise are paramount to your program, there is no company more capable or more responsive than Cretex Medical.



www.cretexmedical.com



www.rmsmachining.com

Contract manufacturing of medical devices and assemblies using state-of-the-art machining.



www.rmssurgical.com

Custom instrument manufacturing combined with design and fabrication of sterilization cases and trays. Focus on fast turnaround of prototype and production requirements.



www.junopacific.com

Medical device design, contract manufacturing and assembly, specializing in micro-molding, insert molding and multi-shot injection molding technology.



www.meiertool.com

Custom metal stamping, specializing in small and miniature metal-formed components and assemblies.



www.spectralytics.com

Contract laser micromachining and assembly of implantable devices and components for medical device manufacturers.



www.qtspackage.com

Medical device outsourcing services including cleanroom assembly, kitting, packaging, labeling, validations, inspection, cleaning, sterilization and supply chain management.



A closer look at precision



Implantable pacing component –
Stainless steel turned and threaded on Swiss
turning center; EDM produces slot.



Total joint implant –
UHMW polyethylene and
cobalt chrome; 5-axis
milling, EDM, Swiss turning,
and polishing.



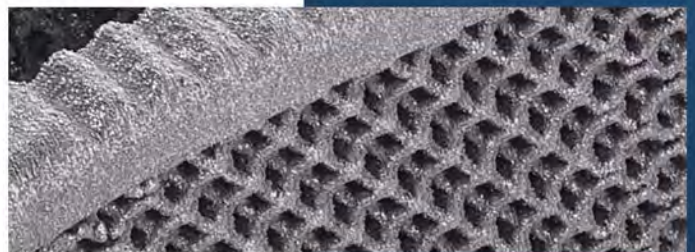
Pacing connector block –
Dedicated manufacturing cell with 9-axis
Swiss turning center and 5-axis wire EDM.



Polyaxial spinal screw –
Head on 13-axis lathe;
screw on a Swiss lathe with
thread whirling.



Implantable interbody cage –
Titanium; Direct Metal Printed.



Implantable fixation plate –
Titanium; 5-axis milling; anodized.



rms Company

Whether you are a major medical device manufacturer or a startup with a great new product, we can deliver what you need — from engineering and design for manufacture support through production and assembly. Contact us today to get an estimate for your next project, to arrange a tour of our facilities or just to learn more.

Call us at 763-786-1520.



8600 Evergreen Blvd.
Coon Rapids, MN 55433
763-786-1520

www.rmsmachining.com

rms is part of the Cretex Medical Family of Companies.



Corporate Office
311 Lowell Ave.
Elk River, MN 55330
www.cretexmedical.com