

Precision Components Capabilities

From micron-level precision to complex geometries, we deliver components for critical Class II and Class II medical devices



Swiss Machining

- 40+ Multi Axis Machines
- ID holes down to 0.0013"
- OD features to 0.002"
- Tolerances: +/- 0.0001"
- In-house tooling and fabrication
- Typical Materials: Stainless Steel, Platinum, Titanium, various plastics, and other precious metals



Milling Machining

- 20+ 3-5 Axis Vertical and Horizontal machines
- Slots down to .004"
- Milled features: .00039"
- Milled holes: .0016"
- In-house tooling and fabrication
- Typical Materials: Stainless Steel, Titanium, MP35N, Composites, and various plastics



Laser Processing & Assembly

- Cutting & Etching
 - ◊ Small as 0.001"
- Laser Marking
- Laser Ablation
- Laser Welding
 - ◊ Small as 0.004"
- Typical Materials: Stainless Steel, Nitinol, Platinum, L605, and MP35N



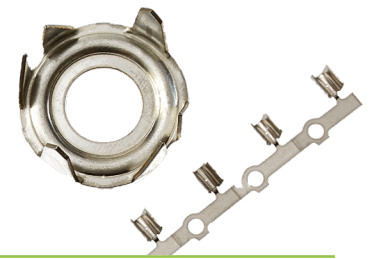
Wire Electrical Discharge Machine (EDM)

- 7 water-based EDM machines
- Wire size down to 0.0008"
- Typical Materials: any metal that is conductive to electrical current



Coil Winding

- Standard and custom coil winding up to 12 filar
- OD down to: 0.002"
- Tolerances: +/- 0.0002"
- Micro coils from 0.0005" wire
- Typical Materials: stainless steel, platinum-tungsten, platinum-iridium, coated and braided wire



Stamping

- Progressive, Modular, Blanking Dies
- Material thickness ranging from 0.0005" up to 0.062"
- Tolerances: +/- 0.0005"
- In-house tooling and fabrication
- Typical Materials: Stainless Steel, Titanium, Platinum alloys, and other precious metals

SECONDARY OPERATIONS: Deburring, electropolish cleaning, acid etching, etc.

Additional Cirtec Services

- Over 70k sq/ft of class 7 cleanroom assembly
- R&D Lab with quick turn prototyping, feasibility testing, 3D printing, etc.
- In-house EtO sterilization
- Development, new product integration, and sustaining engineering



Since 1987, we've built our success on a foundation of innovation, precision, and an unwavering commitment to excellence. By continually investing in cutting-edge technologies and empowering our global workforce, we stay ahead in an ever-evolving industry, ready to lead into the future.

Get In Touch with Our Team Today!
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