Precision Mechanical Components and Complete Engineered Solutions
for the Medical Device and Healthcare Industries
Proven Performance and Unsurpassed Experience

We provide small mechanical components and customized subassemblies to the medical device and healthcare industries worldwide. Engineers use our miniature components in complex medical devices that perform a variety of functions; consisting of non-corrosive plastics, high density polymers, flexible elastomeric materials, and a wide variety of alloys such as stainless steel, titanium, or aluminum, these components help engineers:

- Impede mechanically transmitted noise.
- Reduce product weight and improve system mobility.
- Dampen vibration.
- Create products that perform in sterilized environments.

Our plastic products run without lubrication so they can be used in clinical environments where contamination would be problematic or detrimental to health and safety.

Our components and assemblies are backed by the highest quality customer service and technical support. We offer comprehensive engineering services, design reviews and value added engineering with the goal of providing optimal design to cost manufacturing methods. The result is quality components at the best price possible.

Providing Components and Engineered Solutions to Meet Your Needs

Rapid development, prototyping and testing of your designs are easily accomplished with thousands of in-stock medical device components that can be ordered in one convenient place. Products include gears, timing belts and pulleys, couplings, bearings, shafts, gearheads and speed reducers, clutches and brakes, and other mechanical motion components. If you can’t find a standard part to meet your needs, our engineers can create a custom part to meet your exact requirements. Our expertise is not limited to precision mechanical components. We can design, produce and assemble custom subassemblies with world-class quality and reliability.

Applications

Our applications span the entire spectrum of medical/healthcare products, including:

- Measuring Devices
- Diagnostic Equipment
- Laboratory Analysis Equipment
- Medical Pumps and Drives
- Therapeutic and Assisted Living Devices
- Fitness Equipment
- Blood Analyzing and Processing
- Medical and Dental Instruments
- Printing/Recording Devices
- Surgical Devices
- Robotic Surgery
- Pharmaceutical Processing and Packaging
- Patient Positioning
Our commitment to quality results in superior products. We use the newest technology to provide you with the best products possible. As a gear and timing pulley manufacturer, we excel in every aspect of the process: milling, turning, grinding, drilling and gear cutting. Our facility accommodates short runs to high-volume production runs. An on-site ISO Class 7 cleanroom is used for assembly and testing. NADCAP and customer approved facilities are used for heat-treating, plating, and painting. We machine in many materials including stainless steel, aluminum, plastic, brass, bronze, steel alloys and titanium.

Our Credentials Include
- ISO 9001:2008 Certified
- AS9100C Certified
- DDTC Registered
- RoHS Compliant
- R.E.A.C.H Compliant
- ISO Class 7 Cleanroom

Customers
Our medical industry customers include:
- Abbott Laboratories
- Bayer Healthcare
- Drager Medical Systems, Inc.
- Hologic Surgical Products
- Instrumentation Labs
- Intuitive Surgical
- Lantz Medical
- NxStage Medical, Inc.
- Siemens Healthcare
- Teledyne Instruments

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About Designatronics
For more than 50 years design engineers have depended on Designatronics and its brands for high-quality components, subassemblies, and engineering expertise. As a company founded and managed by engineers we understand and respond to the developing needs of our customers better than anyone. Over 230,000 components are available off-the-shelf for fast turn-around. When a standard product won’t meet your requirements we can provide alternative solutions through custom design and manufacturing. Our engineering and manufacturing teams will partner with you throughout the entire process. By providing design, development, manufacturing, assembly and testing in one location we can ensure the end product will meet your expectations. For small to large production runs you can depend on Designatronics, where your success is our business.