VITAL SOLUTIONS FOR POWERFUL MEDICINE

MW Industries, Inc. develops specialized products for the medical and pharmaceutical industries, including precision wire forms, metal stampings, coil springs, torsion springs, tubular products, and related product assemblies. Thanks largely to our Economy Spring location, we can take a customer from the prototyping phase, all the way to the multi-million production of parts. As a key supplier of components and systems for medical devices, we have established a global reputation for advanced products, best-in-class manufacturing, and exceptional engineering support.

BUILT FOR ADVANCED MEDICAL APPLICATIONS

Our manufacturing processes are designed to support the rigid cleanliness and quality standards of the most demanding medical applications. Many of the parts and assemblies we design and manufacture are used in surgical equipment applications. Our solutions also include implantable, biocompatible materials. To meet this high standard and maintain a completely sterile environment, we have developed highly specialized methods for finishing, cleaning, packaging, and shipping our products which includes use of a cleanroom environment with the ISO 8 Class 100,000 clean room standard. Our high-speed, state-of-the-art manufacturing capabilities include: micro-coiling fine wire products; bending or winding complex part shapes in our CNC wire-form machines; electrochemically cutting and grinding shapes into tubes to make cannulas, needles, and other geometric points; and producing technical metal stampings in a progressive die.

SPECIALISTS IN THE FIELD

You can count on our engineering team to provide project support through advanced quality planning and precision production methods. We are always available to help you develop the parameters to optimize your product design or address product packaging considerations that will facilitate line-automation techniques.

Our customers rely on us to assure product compliance through our versatility and continuous improvement methodology. We are experts at producing risk assessments, developing fast prototypes using our in-house tool engineering, and producing preliminary pilot production. This comprehensive approach to component manufacturing ensures optimal performance of all of the medical devices we help develop.

THE RIGHT METHODS AND MATERIALS FOR ANY OPERATION

Precise production and quality control is essential in the manufacturing of life-saving products. We offer unsurpassed expertise in surgical materials such as stainless steel, Nitronic®, Elgiloy®, and titanium. Having this metallurgical expertise is what enables MW Industries to manufacture precision products from materials smaller than the diameter of a human hair.

All of our internal processing methods and system requirements comply with ISO 9001:2008 and are designed to help speed your time to market. We are also FDA registered and understand the stringent demands of being in the medical device market. Each process is specially developed in a controlled system that is unique to the type of component we are manufacturing. Our processes include nitric/citric passivation, tube packaging, cycle testing, burnishing/polishing, resistance welding, degreasing, shot peening, tray packaging, high-speed spring grinding, and cold setting.
ABOUT MW INDUSTRIES
MW Industries, Inc., headquartered in Rosemont, IL, is a leading provider of highly engineered springs, specialty fasteners, machined parts and other precision components to more than 23,000 customers in over 35 countries. Its 40,000+ products are sold through a combination of direct sales, catalogs and distributors to original equipment manufacturers and aftermarket customers in a number of industries, including aerospace, medical, electronics, energy, agriculture/construction, automotive replacement and military.

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MANUFACTURING CAPABILITIES:
CNC Wireforming:
- Metal Stampings
- Fourslide Metal Forming
- Needles, Cannulas, & Tubes
- Coiling
  - Compression
  - Extension
  - Torsion
- Micro Assemblies

Supply Chain Services:
- Customer Service Support
  - VMI/SMI
  - KANBAN
- ASN
- Quality Support
  - PPAP
  - FAI
  - IQ/OQ/PQ

Technical Services:
- Wire EDM
- CAD
- Rapid Prototyping
- Pilot Production Support
  - Fourslide & Progressive Dies
- Engineering Design & Development
- Bridge / Gap Production Capability
- In-House Tool Design & Production

Manufacturing Services:
- In-House Cleaning
  - Aqueous
  - Ultrasonic
  - Passivation
  - Vapor Degrease
  - 3D Printing for Modeling Purposes
- Shot Peening
- Deburring
- Welding
- Cleanroom Services
- Laser Capabilities
  - Engraving
  - Welding
  - CNC Swiss Machining
  - Laser Machining

Products & Materials:
PRODUCTS & MATERIALS:
- Wire Forms
- Metal Stampings
- Coil Springs
- Torsion Springs
- Product Assemblies
- Surgical Staples
- Laparoscopic Device Hardware
- Drug Delivery System Components
- Implantable Titanium Products
- Catheter Guide Wires
- Electrical Device Contacts
- Diagnostic Equipment Components
- Hemostatic / Ligating Clips

Surgical Materials:
- Nitronic®
- Stainless Steel
- Nitronic MP35N®
- Elgiloy®
- Titanium

Red Metals:
- Copper
- Brass
- Phos Bronze
- Beryllium Copper

Carbon Steels:
- Music Wire
- Rocket Wire
- Basic Wire
- Chrome Silicon
- Chrome Vanadium
- C1008/C1010
- C1050
- C1075
- C1095

Specialty Alloys:
- Aluminum
- Alumel
- Chromel
- Hastelloy®
- Inconel®
- Kanthal®
- Kovar
- Monel™
- Nikrothal
- Nickel
- Tungsten

CERTIFICATIONS:
- ISO 9001:2008
- FDA Registered Facility
- ISO 8 Class 100,000 Certified Cleanroom
- ITAR Certified

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