MW Industries, Inc. designs and manufactures springs, fasteners, and related products for a wide range of aerospace applications, including components for engines, flight controls, propulsion, landing gear, interiors, avionics, and the most advanced space exploration vehicles. As an expert provider of custom-focused manufacturing solutions, we are completely dedicated to on-time delivery of quality, cost-effective parts. Our state-of-the-art systems and CNC equipment ensure consistency, reliability, and fast delivery.

Because our products are commonly specified in mission critical components, everything we do meets the rigorous system safety and performance standards of organizations such as the FAA, DoD, and NASA. To create our custom springs, wire forms, and assemblies, we employ a Quality Management System (QMS) that is AS9100 and ISO9001 certified – international standards that the Aircraft, Space, and Defense (AS&D) industry as well as the civil and military aviation industries rely on for quality management, safety, and reliability. We are also an ITAR registered contractor and highly experienced in working with DFARS materials.

Our technical expertise and commitment to pushing the boundaries of engineering excellence make us one of the most innovative aviation suppliers in the market today. Our customers know they can rely on us for quick quote turnaround, rapid prototyping, rigorous testing, and unique expertise in working with exotic materials. They also know our components will continue performing as specified year after year—even in the most extreme operating conditions imaginable.

The depth of experience of our technical team helps us deliver rapid response times for both large run orders and difficult designs. We take pride in the close contact we maintain with our customers and the value we add throughout the design process. Our customers demand products that meet exact specifications and the highest standards for reliability and quality. We come through with advanced manufacturing techniques and processes that yield unrivaled innovation.

We take pride in the fact that all our products are made in the USA. Thanks to our financial strength, our advanced equipment, and our ability to source materials and expertise from any one of our locations, we are able to design, manufacture, and deliver the highest quality products and subassemblies in the industry. We use the Spring Manufacturing Institute’s advanced spring design software and CATIA® 3D modeling software to design and quickly build prototypes for the most advanced applications imaginable.

Our unique processes and equipment ensure quality, control, and performance for the most demanding jobs, including lightweight, high-temperature, low-temperature, and high-corrosion applications.

We are fully CNC capable and able to form and coil wire between .006” and .625” in a wide variety of materials. We offer special expertise in working with titanium, beryllium copper, Inconel®, Hastelloy®, chrome vanadium, chrome silicon, and various other manufacturing materials. We also have a full network of NADCAP registered suppliers for controlled processes such as heat treating, magnetic particle inspection, liquid penetrant inspection, shot peening, plating, and specialty coatings.
MW Industries has been serving the aerospace industry for many years, becoming experts in the use of titanium and other lightweight materials. Our latest aerospace creation functions like a spring, but doesn’t look like one at all. It’s a lightweight, stackable washer set made of carbon fiber. It took 18 months to develop this tapered washer set. To achieve just the right spring rate and deflection for your application, you simply add or remove washers from the stack. The standard assembly weighs up to half as much as a titanium spring, but delivers all the performance for less cost. Our unique design, pricing, and lightweight construction give this spring the potential to be a true game changer in the aerospace market.

ENGINEERING:
Collaborate with and support our customers' development and engineering efforts In-house design and development using:

- CAD (CATIA, SolidWorks)
- Boeing DPD Approved
- CAE Analysis
- Metallurgy
- Rapid Prototyping
- Fatigue Testing
- Performance Analysis
- Corrosion Analysis

PROCESSES:
CNC Coiling and Forming
Grinding
Harden & Temper
Heat Set
NDT
Paint / Powder Coat
Shot Peening
Stress Relief

CAPABILITIES:
Compression, Extension, Torsion Springs, and Wire Forms
Wire Size: 0.010” to 1.000” in diameter, including shaped wire
Flat Springs & Stampings
0.010” to 0.250” in thickness
Machined Springs & Flexible Couplings

METALLURGY EXPERTISE:
Titanium Beta C, Stainless Steel, Inconel®, Hastelloy®, Alloy and Carbon Steel

INDUSTRY APPROVALS:
ISO 9001 and AS9100 certified
FAA, DoD, and NASA compliant
Quality Management System (QMS)
ITAR registered contractor
DFARS materials (highly experienced)

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.