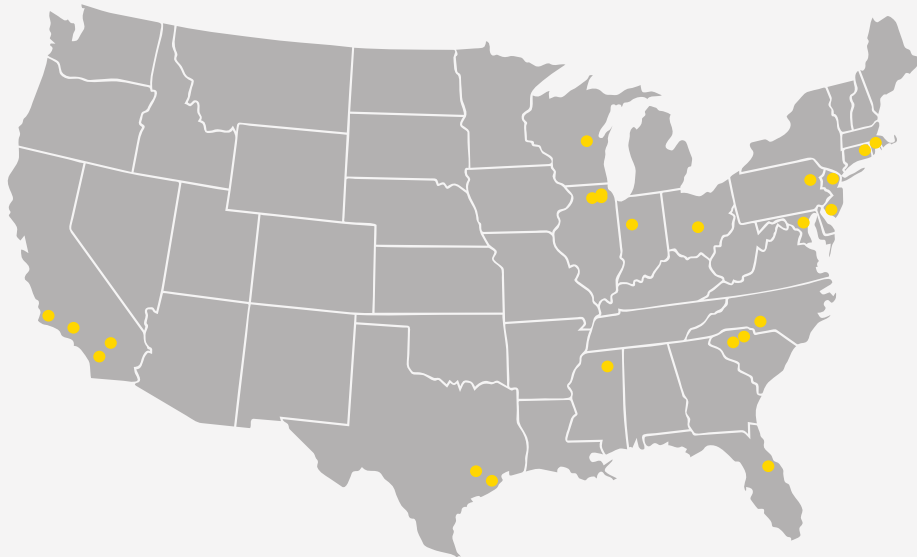




# The World's Largest Range of Precision Components

Over 20 facilities



**MW Components is a leading manufacturer of high-quality precision components to multiple global industries.**

We have over 40,000 parts in stock for immediate delivery—from flat and coiled springs to fasteners, shims, bellows, and more. And if we don't stock the components you need, we can custom manufacture them to your exact specifications, fast.

Our engineering team has decades of experience creating high-quality precision components for demanding applications across multiple industries. We've built up a bench-strength of knowledge spanning a wide range of materials, technologies, and applications. And we are experts at manufacturing high-precision components to virtually any scale.

With more than 100 engineers in over 20 facilities and more than 19,000 customers across 75 countries worldwide, you can trust MW Components to do whatever it takes to help you succeed.



### **Coiled, flat, and machined springs**

Choose from a variety of forms in a wide range of alloys and in any quantity.



### **Precision-machined fasteners**

From screws to spacers to standoffs, we manufacture precision-machined fasteners in a range of alloys.



### **High-performance metal bellows and couplings**

Our metal bellows deliver greater precision, increased durability, and higher performance than alternative solutions.



### **Rapid-install shims**

We offer the most comprehensive line of shims in the industry with a 24-hour turnaround on all stock items.



### **Custom manufactured precision components**

We have the technology, experience, and capabilities to custom-manufacture the precision components you need.

## **Let's Talk**

Discover the difference we could make to your success, contact us at [Sales@MWComponents.com](mailto:Sales@MWComponents.com) to schedule a conversation about your needs.



## Manufacturing

- Proficiency in the most extensive range of coiling, stamping, wire forming and machining
- Prototype to full production
- All configurations and volumes, including CNC-controlled processes
- Round or shaped wire springs and retaining rings
- Wire shape rolling and ring grinding for close tolerance rings
- Retaining rings in butterfly, angle, rounded, square and custom end configurations
- Stamping and fourslide in a wide range of heat-treated and spring materials
- Press capability up to 400 tons

## Wire Coiling Diameter Capabilities:

<b>Cold Wound:</b>	from .13mm – 18.75mm	(.002" - .750")
<b>Hot Wound:</b>	from 10.3mm – 50mm	(.405" - 3.00")
<b>Extension:</b>	from .25mm – 18.75mm	(.010" - .750")
<b>Torsion:</b>	from .25mm – 18.75mm	(.010" - .750")
<b>Double Torsion:</b>	from .25mm – 18.75mm	(.010" - .750")

## Available Materials:

- Copper and Alloys
- Steel, Carbon, and All Grades of Stainless
- Nickel and Alloys, Including MP35N®
- Titanium
- Music Wire
- Elgiloy®, Hastelloy®, Inconel®, A286, Monel™, and Other Specialty Materials

## Secondary Processes and Finishes:

- Age Hardening to CH900
- Dyeing
- Grinding
- Hardening
- Heat Set Compression
- Heat Setting
- Mag Particle
- Lab support
- Laser Technologies
- Liquid Penetrant
- Magnafluxing
- Shot Peening
- Paint
- Passivation
- Plating
- Powder Coating
- Shot Peening
- Stress Relief
- Tempering
- Wire Rolling

## Customer service

- Customer relationships given top priority
- Expert engineering and sales support
- Field and facility support
- Interactive website
- 55 million springs in stock
- Same-day shipping

For the most accurate manufacturing capabilities and specifications, please contact us.

## Quality

- Customer and industry performance standards compliance
- Certifications/Registrations: AS9100; ISO 9001; ISO 13485; ISO/TS 16949; IATF 16949; QS-9000; ITAR; DFARS; REACH; RoHS; Mil-I-45208A; Mil-Std-45662; API 14 A+D; ANSI/ASME SPPE-1; QSLM; JCP; PED; FDA Registered Facility

## Markets Served

- Agriculture
- Automotive
- Aerospace
- Consumer Products & Power Tools
- Construction
- Electrical
- Energy & Oil
- Heavy Trucks
- Industrial
- Medical
- Military
- Motorsports & Performance Aftermarket
- Spring Energized Seals
- Transit
- Valves

## Products

- Coiled Springs
  - ♦ Compression (Barrel, Conical, Die, Fuel Injection, Valve)
  - ♦ Drawbar
  - ♦ Extension (Garter, Spring Anchors)
  - ♦ Stove Handles (Smoker Handles)
  - ♦ Suspension Springs
  - ♦ Titanium
  - ♦ Torsion
- Hot Coil (Hot Wound) Springs
- Disc Springs & Belleville Washers
- Carbon Composite Springs
- Constant & Variable Force Springs (Reel Retrievers)
- Spring Energizers
- Retaining Rings (Coil Rings)
- Metal Stampings & Flat Springs (Leaf Springs)
- Wire Forms
- Tubing Products (Springs)
- Machined Springs
- CNC Machined Parts (Electrical Contacts, Manifolds)
- Precision Machined Components
- Metal Bellows
- Flexible Couplings
- Industrial Shims
- Fasteners (SEMs, Bushings, Circuit Board, Supports, Handles, Ferrules, Nuts, Pins)
- Assemblies (Pre- & Sub-Assemblies)
- Threaded Inserts
- Custom & Specialty Products
- Injection Molding
- Plastic Optics