MW Industries, Inc. supports the development of springs and components for the fast-growing transit market. Today, more and more population centers are investing in bus, train, and light rail services to provide efficient mass transit. We help meet this growing demand by working closely with transit manufacturers to deliver important improvements in weight, ride comfort, performance, and reliability.

**Transit**

**A Moving Performance That Pleases the Crowd**

**Better Suspensions for a Quieter, Safer Ride**

Larger, faster, and more complex mass transit systems demand improved suspension products. MW Industries is specially equipped to design, manufacture, and supply these oversized components, as well as deliver them to your facilities on time, every time. Light rail systems in particular demand springs and assemblies that offer quiet, comfortable, safe performance at high speeds. Based on the relationships we've built with leading transit manufacturers, we have a proven ability to deliver a strong, light, and reliable system.

**Taking the Best Innovation from Other Industries**

Our long-term relationships with customers in markets like agriculture, construction, military, and motorsports have enabled us to take transit technologies to a whole new level of quality and performance. The design and production expertise we've developed in these other areas is particularly useful in developing new transit prototypes with some of the world's best materials. It also ensures that our customers remain on the cutting edge of the latest technological developments.

**Empowering Innovation for Design Solutions**

MW Industries offers unique capabilities in producing high-quality, large-diameter springs. Based on this expertise, we recently helped one of our transit customers upgrade their rail suspension design by reducing weight and improving safety and reliability levels. We work closely with our customers to custom manufacture a wide range of wire forms, assemblies, compression springs, extension springs, torsion springs, and machined parts.
ENGINEERING: Collaborate with and support our customers’ development and engineering efforts in-house design and development using:
- CAD
- CAE Analysis
- Metallurgy
- Rapid Prototyping

PRODUCTS:

**Hot Wound Springs**
- From .405” (10.3mm) to 2.00” (50mm) bar diameter
- Max. Coiling Specs:
  - Bar diameter: 2.00”
  - Bar length: 28.0’
  - Spring OD Max.: 18.5”
- Auto Coiling Specs:
  - Bar diameter: 1.75”
  - Bar length: 21.0’
  - Spring OD Max.: 18.5”
  - Free length Max.: 39.0”
- End Configurations:
  - Squared
  - Open End
  - Ground
  - Pigtail
- Raw Materials:
  - 5160H SAE 9259
  - 51B60H SAE 4140
  - SAE 9254 92V45
  - SAE 6150 SRS60

**Cold Wound Springs**
- From .004” (.13mm) to .630” (16mm) wire diameter
- Compression
- Extension
- Wire Forms
- Torsion / Double Torsion Springs
- Valve Springs
- Clutch Springs
- Raw Materials:
  - Copper and Alloys
  - Specialty Materials –Elgiloy®, Hastelloy®, Inconel®, A286, Monel™
  - Music wire
  - Nickel & alloys, including MP35N®
  - Titanium
  - Steel, Carbon, all grades of Stainless

**Bellevilles & Disc Springs**:
- Including catalog and custom options
- Coiled & Stamped Rings:
  - Wire shape rolling and ring grinding for close tolerance rings
  - Retaining rings –butterfly, angle, rounded & square end configurations

PROCESSES:

- Grinding
- Harden & Temper
- Heat Set
- Paint / Powder Coat
- Shot-Peening
- Stress Relief
- Wire Rolling

**Machined Parts:**
- Swiss Turning – Diameter: .188”–1.250”; Length: up to 12.5”
- CNC Turning & Chucking – Diameter: .125” – 8.000”; Length: up to 13.0”
- CNC Milling
- Honing – Diameter: .250”–3.250”; Up to 7.000” long
- Grinding – Diameter: .500”–3.000”; Up to 6.000” long
- Secondary Machining – turning, milling, drilling, sawing
- Brazing / Soldering / Assembly

**Fourslide / Stampings:**
- Up to 400 Ton
- Wide range of heat-treated and spring materials

**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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