

Spring Industry

Springs are a ubiquitous solution in many modern products, from the high strength performance requirements of heavy equipment and transportation, to the rapid flexing and space constraints in electronics, firearms, and other small objects. This creates engineering challenges for manufacturers, and Central Wire has the products to solve those problems. High performance spring wire will perform with enough strength, resilience, and environmental resistance in all sizes, applications, and end products.

General/Specialist Engineering

Central Wire has the capability to produce spring wire for any application, as the process is controlled from rod breakdown to finished packaging under one roof. This means we can manufacture a specialty solution to meet the needs of your specific application or industry. Whether you are replacing an existing system or crafting a new product, we can customize a solution to exceed your requirements.



Agriculture

The strength and consistency of spring wire plays a pivotal role in the agriculture and food processing industries. Out in the field, wire is used for livestock fencing, gates, and inside harvesting equipment. Inside processing facilities, wire is used for conveyor belts that sort and prepare products, for trays and grates in sterilized locations, and to build the processing equipment itself.

Architecture

Stainless steel wire adds both aesthetic and functional value to architecture. Stainless steel is a durable material able to withstand temperature changes and moisture, making it an affective choice for interior and exterior applications. Its "stainless" finish also stays vibrant with age, which keeps structures looking new and modern.

Marine

Marine industries and applications demand corrosion resistant products that withstand salt and moisture exposure. That is why 300 series stainless steel is one of the most common materials used to produce spring wire for shoreline and open sea products.

Mining

The mining industry relies on products and materials that are engineered to withstand crushing forces, intense vibration, and heavy weight. That is why modern mining, mineral processing, and sorting products are typically manufactured using stainless steel or nickel alloy spring wire. The complex equipment needed to extract and sort minerals are highly customizable to meet the needs of specific applications, and the environment in which that equipment will be expected to perform.

Nuclear

We manufacture high quality spring wire for use in critical nuclear applications. For components experiencing exposure to high heat or corrosives, we recommend using Inconel® or Nitronic series nickel alloys. These materials are engineered to withstand harsh conditions without failure, and selecting them for your wire ensures durability and longevity.

Oil and Gas

The oil and gas industry demands products that can withstand the rigors of challenging work conditions. That is why Central Wire offers spring wire in a broad range of materials including traditional 300 series stainless steel, in addition to other high-strength alloys.

Petrochemical

We have the capability to accurately, consistently, and precisely manufacture spring wire. These products are often used for petrochemical equipment because they can be customized to exacting customer specifications. Whether working in small spaces to capture contaminants and particles, or large spaces to handle large volumes of liquid, we can produce wire to satisfy the performance needs in those environments.

