

The Preferred Global Supplier of Spring Solutions for Medical & Healthcare Devices

Flat Steel Springs for Medical and Healthcare Devices Produced with Precision & Consistency

Bring your concept to life with custom flat steel spring solutions by Vulcan Spring. We will partner with your engineers, contract manufacturers and designers to prototype and mass-produce millions of custom springs for complex medical devices and high-profile healthcare equipment, whether for linear force or rotational torque. Recognized by ISO and backed by statistical data and other studies that confirm our precision and consistency, we stand ready to custom build and design your spring with the device function and end-user in mind.

How Our Springs Accommodate Medical Devices

- Made with the precision required for optimal function of your product
- Provide strong force or torque output, even in small spaces
- Can be mass-produced to accommodate high volume needs
- Can be prototyped at early stages to ensure optimal function
- Can provide linear force or rotational torque as a custom or stock product

Most Common Applications



Surgical Staplers



Laparoscopic Devices



Drug Infusers &
Delivery Systems



Table & Bed Lift
Mechanisms



MRI & X-Ray Machines



Surgical Robots



Constant Force Spring

Conforce® springs offer high force output with a small space requirement. These springs provide long linear reach with minimal force buildup and store power indefinitely when extended.



Constant Torque Spring

Contorque® springs can provide high torque with small space requirements and can also be designed to produce positive or negative gradient output torque.



Power Springs

Power springs create a compact power source, in which the torque increases throughout the total winding of the spring. Power springs are pre-stressed to produce a flatter torque gradient and can be used to increase the number of turns in a case of a given diameter.



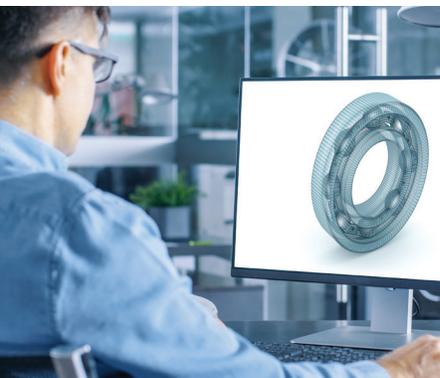
Mechanical Reel

Mechanical reels provide reliable power for applications needing counterbalancing, retrieving or returning, especially in applications requiring long deflection.



Twin Springs

Twin springs minimize space, maximize brush life and can meet exacting force requirements to ensure consistent, dependable energy to your device.



About Vulcan Spring

Vulcan Spring is the preferred global supplier of mass-produced spring solutions, headquartered in Telford, Pennsylvania. With innovative engineering, machinery and tooling, we can deliver a spring solution for even the most challenging applications. For industrial or POP displays and beyond, we're equipped for the quality and timely production of millions of springs, all while promising to make your experience from concept to production as easy as possible.

Contact us with questions or about a custom need. Our responsive and helpful team is standing by.

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