



**The Preferred
Global Supplier
of Spring Solutions
for Medical Device
Applications**

**A Vulcan Spring
Case Study**

INDUSTRY:
Medical Device for Wound
Care & Surgery

VULCAN SPRING PRODUCT:
Spring Assembly Services

Challenge

A critical product designed by a medical device company incorporated a complete spring assembly. Certain components disrupted the supply chain, causing significant delays in production. The company needed to minimize this delay and meet tight deadlines. They relied on Vulcan Spring to approve new parts and finalize the design within the spring assembly.

- **Custom Spring Design**
- **Increased Production**
- **Tight Timelines**

Solution

Vulcan worked with the client to integrate the new component supplier and approve the new parts. Through the PPAP process, we aligned our production and quality control efforts, stayed in communication with the client and their suppliers, and ramped up production to meet the required deadlines. Despite the global supply chain, Vulcan was able to accommodate this change while allowing production of the device to continue.

- **Collaborative Development**
- **Custom Spring Assembly**
- **Fast Turnaround**

Results

Production for this assembly is at its highest rate and production of the medical device has resumed. The device is now being delivered to the market, and our team continues to source, inspect and approve parts for the device's assembly. Vulcan Spring & Manufacturing Co. is ISO 13485:2016 certified.



Rapid Custom Spring Solutions for Medical Device Applications

Vulcan is the leading designer of flat steel springs for medical device and healthcare. We will partner with your engineers, contract manufacturers, and designers to prototype, test, and mass-produce millions of custom springs for complex medical and healthcare devices. ISO 13485:2016 certified and verified through extensive testing and measurement, we have the equipment, capability, experience, and bandwidth to prototype, rigorously test, and custom-build your spring designs.



The Right Team for Complex Spring Assembly Challenges

- Strong force or torque output, even in small spaces
- High-volume production capabilities
- Development assistance to ensure optimal design and function before manufacturing
- Linear force and rotational torque springs are available in custom and stock configurations

**Partner with Vulcan
Spring to prototype,
test, and produce
medium- and high-
volume custom springs
for complex medical
device applications.**

About Vulcan Spring

Vulcan Spring is the preferred global supplier of medium- and high-volume custom spring solutions, headquartered in Telford, Pennsylvania. With innovative machinery, tooling, and engineering, we deliver spring solutions for the most challenging applications. For industrial equipment, medical devices, POP displays, and beyond, we provide quality, industry-leading spring production and assembly while streamlining your experience from concept to delivery.



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

in f t @ v | +1-215-721-1721 | VulcanSpring.com

©2020 Vulcan Spring. All Rights Reserved.