



The Preferred Global Supplier of Spring Solutions for Automotive Applications

A Vulcan Spring Case Study

INDUSTRY:
Automotive

VULCAN SPRING PRODUCT:
Constant Force Spring

Challenge

An automotive interior manufacturer came to us with a need for a new spring. After having supplied a spring to their specifications, a clicking noise, due to interference with a vent blower, was discovered. With full production about to begin, we needed to redesign a spring, secure materials, and create custom tooling quickly, all while ensuring that the line wouldn't go down causing delays and significant budget overruns.

- Custom Spring Design
- Materials Procurement
- Custom Tooling Development

Solution

Our team, with years of design and engineering expertise and a commitment to total customer satisfaction, worked with the company to quickly resolve the issue. Taking a collaborative approach, we worked with the auto interior manufacturer to develop a custom constant force spring that provided the silent and smooth functionality they needed.

- Design & Engineering Consulting
- Collaborative Development
- Custom Constant Force Springs

Results

The new prototype springs were shipped in less than one week and met all the automotive interior manufacturer's needs, including keeping the original production timeline on schedule. The quiet, durable springs that Vulcan Spring provides are used in a wide range of automobile applications.



Cup Holders



Seatbelt Retractors



Sliding Console Mechanisms



Shifter Covers

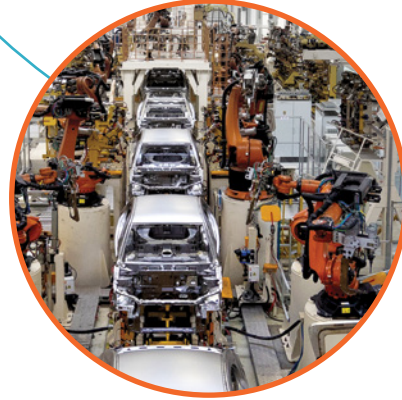


Glove Boxes



Rapid Custom Spring Solutions for Automotive & Transportation Applications

With extensive experience working with Tier 1, Tier 2, and other automotive sub-suppliers, we partner with engineers, contract manufacturers, and designers to aid in the critical design and production of automotive interior components for all levels of vehicle trim. Certified to international quality standards and verified through extensive testing and measurement, we have the capabilities, experience, and bandwidth to custom-build your spring designs with the shortest lead times possible.



The Right Team for Complex Automotive Interior Spring 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 automotive and transportation 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 @ | +1-215-721-1721 | VulcanSpring.com

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