



Company Profile



2026

Spring World Factory Co. Profile company year 2026.

Precision Engineering. Local Reliability.
Global Standards.



ENGINEERING THE FUTURE OF INDUSTRY

At Spring World Factory Co., we believe that the smallest components often carry the greatest responsibility. For years, we have served as the backbone of Saudi Arabia's industrial growth, providing the precision-engineered springs that keep the wheels of global industry turning.

Our commitment is simple: to provide the GCC region and the world with a reliable, localized supply chain that is immune to global logistical disruptions. By combining Saudi craftsmanship with international quality standards, we don't just manufacture springs; we manufacture trust.

Abdulsalam Abdin

Ceo



ABOUT US

Your Strategic Partner in Precision Manufacturing

Based in the heart of Saudi Arabia, Spring World Factory Co. has evolved into a leading force in the spring manufacturing industry across the GCC. We specialize in the design, engineering, and production of high-performance springs tailored to the most demanding environments.

Our strength lies in our collaborative ecosystem. By integrating our sales, engineering, and production teams, we move from initial concept to finished product with unmatched speed and accuracy. We are more than a vendor; we are a solution-driven partner dedicated to the upkeep and success of big business.

VISION

Defining Our Purpose

To be the primary global benchmark for spring manufacturing excellence, recognized for our innovation and rooted in the industrial strength of Saudi Arabia.



MISSION

To empower industrial progress by delivering high-precision, custom-engineered springs that exceed international benchmarks, supported by responsive service and sustainable practices.

GOALS

- To maintain 100% reliability in our regional supply chain.
- To continuously invest in the latest CNC and laboratory technology.
- To foster long-term partnerships with the world's leading energy and defense sectors.



PRODUCT 1 - COMPRESSION SPRINGS

Engineered for Maximum Load Stability

Compression springs are open-coil helical springs that offer resistance to a compressive force applied axially. At Spring World, we manufacture these to withstand the most rigorous industrial cycles.

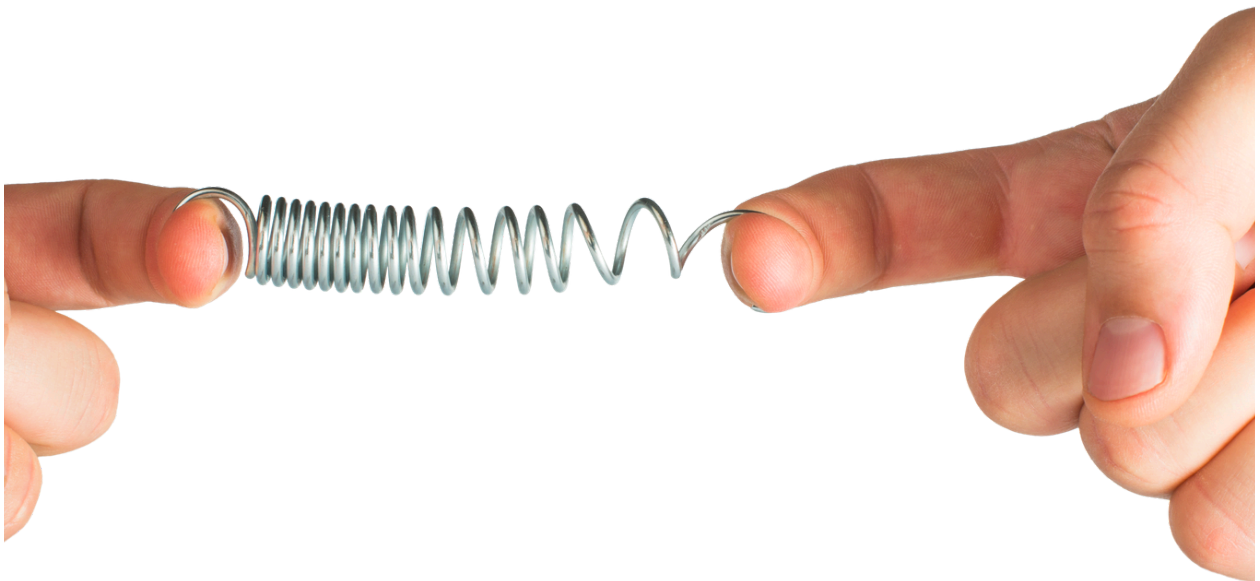
- **Technical Specifications:** We utilize high-grade materials including carbon steel, stainless steel, and alloy steels with wire diameters tailored to specific load requirements.
- **Configurations:** Available in cylindrical, conical, barrel, or hourglass shapes with various end types (squared, ground, or open).
- **Industrial Applications:** Essential for automotive suspensions, heavy-duty valves, electrical switchgear, and general manufacturing machinery.
- **The SW Advantage:** Every compression spring undergoes rigorous load testing in our lab to ensure consistent spring rates and fatigue resistance.

PRODUCT 2 - EXTENSION SPRINGS

Engineered for Maximum Load Stability

Designed to absorb and store energy, our extension springs provide a pulling force when stretched. These are critical for components that require a return to a specific position.

- **Loop & Hook Designs:** We offer a wide variety of ends, including German loops, English loops, side loops, and extended hooks, customized for secure attachment to your hardware.
- **Initial Tension:** Our CNC machinery allows for precise control over initial tension, ensuring the spring begins to extend only at the exact force required by your application.
- **Materials & Coatings:** Available with specialized finishes (galvanized, powder-coated, or phosphate) to prevent corrosion in high-tension environments.
- **Applications:** Used widely in aerospace, garage door mechanisms, agricultural equipment, and safety devices.



PRODUCT 3 - TORSION SPRINGS

Mastering Rotational Torque

Torsion springs exert torque or rotary force. They are designed so that the spring's wire is subjected to bending stress when the ends are rotated.

- **Custom Geometry:** We specialize in both single and double torsion springs with custom leg lengths and complex bends to fit compact mechanical assemblies.
- **Performance Engineering:** Our design team calculates the exact angular deflection and torque rates to prevent "binding" and ensure smooth mechanical operation.
- **Applications:** Critical for industrial hinges, counterbalances in heavy doors, electronic components, and automotive steering systems.
- **Durability:** Heat-treated post-manufacturing to relieve stress and increase the operational life-cycle of the rotational legs.





PRODUCT 4 - MOULD SPRINGS (DIE SPRINGS)

High-Performance Solutions for Tool & Die

Specifically engineered to handle heavy loads in extremely high-stress and high-temperature environments, our mould springs are the industry standard for precision tooling.

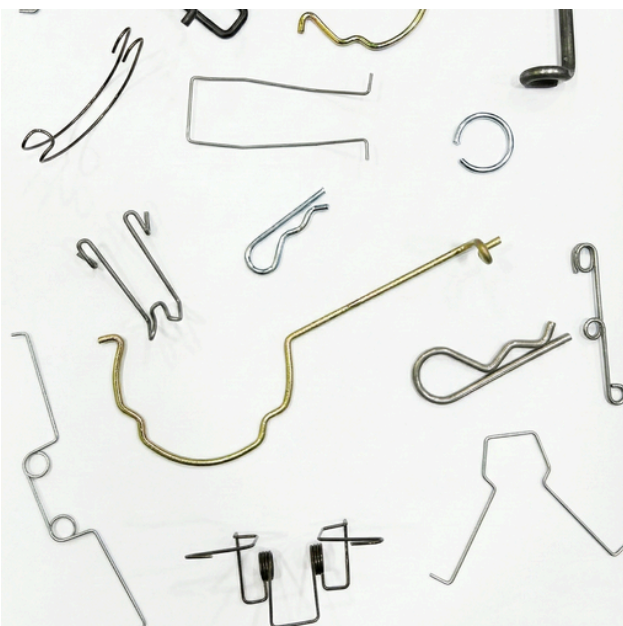
- **High-Stress Tolerance:** Manufactured from high-tensile chrome vanadium alloys to ensure long life in injection molding and stamping dies.
- **Color-Coded Load Ratings:** Produced according to international standards (ISO) with color-coding to represent load capacities (Light, Medium, Heavy, and Extra-Heavy duty).
- **Space Optimization:** Designed with a rectangular or "D" cross-section wire to maximize energy storage in the limited space of a mold base.
- **Quality Guarantee:** Every batch is tested for "set resistance" to ensure the springs maintain their free length after millions of cycles.

PRODUCT 5 - METAL FORMING & WIRE FORMS

Complex Solutions Beyond Coiling

Our metal forming division utilizes advanced multi-axis CNC wire and strip forming technology to create parts that require complex geometries.

- **Diverse Capabilities:** From simple clips and pins to complex 3D wire forms and flat metal stampings.
- **Precision Tooling:** We use automated processes to ensure 100% repeatability for large-scale orders, eliminating the variations found in manual forming.
- **Versatility:** We work with a wide range of materials, including flat strips and round wires, to create fasteners, connectors, and structural clips.
- **Customization:** If a standard spring doesn't fit your assembly, our metal forming department can design a custom component that clips, holds, or locks with precision.

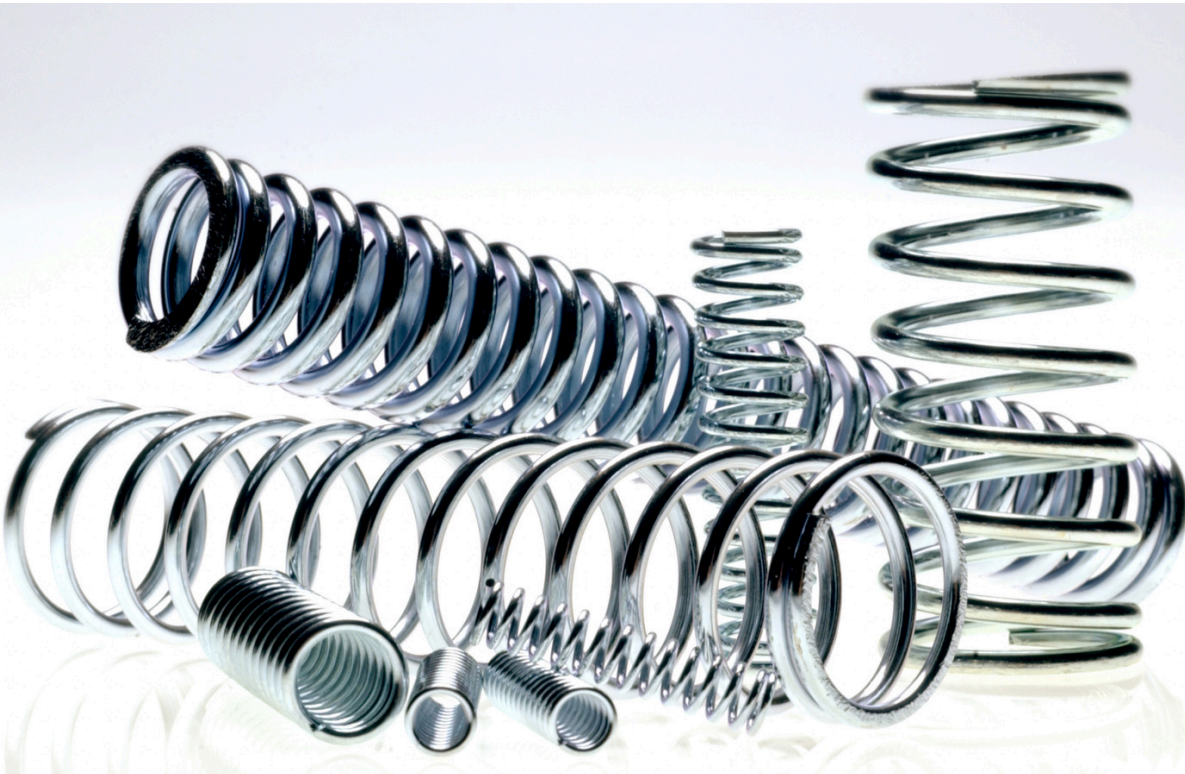


PRODUCT 6 - CUSTOM SPRINGS & PROTOTYPING

From Concept to Production

At Spring World Factory Co., we realize that many industrial challenges require unique solutions. Our custom spring service is built around engineering collaboration.

- **Engineering Partnership:** Our team works directly with your R&D department to select the right material, wire diameter, and finish for your specific environment.
- **Rapid Prototyping:** We offer short-lead-time prototypes, allowing you to test the spring's performance in your machinery before committing to full-scale production.
- **The "National Choice":** By choosing our custom services, you eliminate the need for expensive, time-consuming international imports and gain a partner that is physically present to support your project.
- **Advanced Lab Integration:** Every custom design is validated through chemical composition and performance testing in our in-house laboratory.



CLIENTS & SUCCESSFUL PROJECTS

Trusted by the Titans of Industry

- The Power of Local: We proudly served over 1,000 clients in 2025, providing critical support for maintenance, repairs, and new builds.

Featured Clients:

- Energy & Petrochemicals: Saudi Aramco, SABIC.
- Defense: SAMI (Saudi Arabian Military Industries), Naval Group.
- Infrastructure: alfanar, Saudi Ceramics, Al-Khorayef Group.
- Logistics & Machinery: Konecranes, Almajdouie.

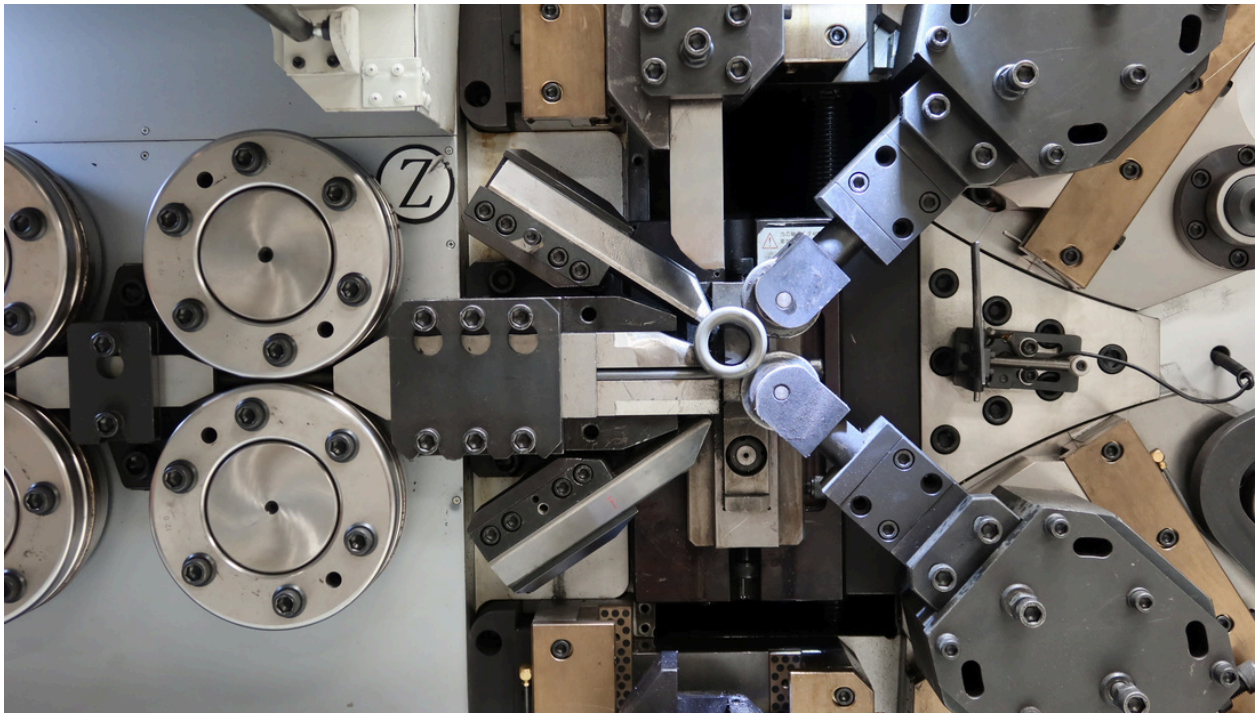
Project Impact: Supporting Saudi Vision 2030 by localizing the supply of vital components for the military and energy sectors.



TECHNOLOGY & MACHINERY

The Future of Manufacturing, Today

- Our facility is equipped with state-of-the-art CNC coiling and forming machinery that allows for micro-precision at high speeds.
- Innovation: We utilize automated production lines that minimize human error, ensuring that the first spring produced is identical to the millionth.
- Capabilities: High-volume production combined with the flexibility to handle small-batch specialty orders.



CERTIFICATION & QUALITY LAB

Quality Without Compromise

Quality is the cornerstone of our manufacturing process. Our in-house laboratory ensures that every spring leaving our facility is a masterpiece of engineering, meeting the rigorous demands of ISO 9001, ISO 14001, and ISO 45001 standards.

Comprehensive Testing Suite:

- **Material Integrity:** Chemical composition testing to verify raw material purity.
- **Force & Load Analysis:** Specialized compression, tension, and torsion testing to ensure exact spring rates.
- **Dimensional Accuracy:** High-precision video dimension measuring for micro-tolerance components.
- **Durability & Hardness:** Advanced hardness testing and salt spray chambers to simulate harsh environmental exposure and prevent corrosion.

Having our own lab means we don't wait for third-party results. We provide immediate technical validation, ensuring your project stays on schedule without sacrificing safety.



LOGISTICS & SUPPLY CHAIN

The Saudi Advantage: Stability in a Changing World

- In an era of global uncertainty, Spring World Factory Co. offers a localized solution that eliminates the risks associated with international shipping corridors and external geopolitical disruptions.
- Immunity to Global Delays: By manufacturing within Saudi Arabia, we shield our clients from the supply chain vulnerabilities and cancellations that often affect imports from overseas. Your operations remain steady regardless of external regional shifts.
- Vertical Integration & Speed: Every stage of production, from design and material selection to coiling, heat treatment, and testing, happens under one roof. This "Total In-House" approach allows us to offer the fastest lead times in the GCC.
- Rapid Regional Distribution: Through strategic contracts with leading transport and logistics providers, we ensure seamless, high-priority delivery across the Kingdom and the GCC.
- Reliability as a Standard: We don't just deliver springs; we deliver the peace of mind that comes from a secure, local supply chain that is always within reach.





SUSTAINABILITY & NATIONAL IMPACT

Empowering the Kingdom's Green Future

Our commitment to excellence extends to the environment. In alignment with the Saudi Green Initiative, Spring World Factory Co. integrates sustainable practices into every facet of our industrial operations.

- **Resource Efficiency:** We utilize advanced CNC technology to optimize material usage, significantly reducing scrap metal waste and energy consumption.
- **National Reliance:** By reducing the Kingdom's dependence on imported components, we strengthen the local economy and lower the carbon footprint associated with long-distance global logistics.
- **Sustainable Manufacturing:** Our facility utilizes eco-friendly coating processes and energy-efficient machinery to minimize environmental impact while maintaining the highest product standards.

We are continuously investing in green technologies to ensure that as we grow, we contribute to a cleaner, more sustainable Saudi Arabia.



ENGINEERING THE FUTURE, LOCALLY



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