



精工弹簧·安全链接

Precision Springs·Safely Linkage

Your Premier Partner for Precision Spring Solutions and Relative Services In China.

GUANGZHOU ESINLINK INDUSTRIAL CO., LTD



www.esinlink.com



+86-15918721949



contact@esinlink.com

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01

Company Profile

A Premier Partner for Global Precision Spring Solutions



GUANGZHOU ESINLINK INDUSTRIAL CO., LTD, was founded in 2021. Its founder has over 8 years of practical experience in the export department of a leading Chinese spring manufacturing enterprise, with an in-depth insight into the core demands of global customers regarding manufacturing processes, export compliance and supply chain efficiency. After nearly five years of dedicated development, ESINLINK has become a trusted supplier of high-performance, high-precision Chinese spring products and a one-stop custom service provider for global customers.



Adhering to the positioning of "**being not only a spring supplier, but also a reliable partner for precision components and performance solutions**", we deeply understand the critical impact of tiny springs on product reliability and safety. We are committed to enabling each spring to be seamlessly integrated into customers' designs, enhancing product performance and optimizing supply chain costs, so as to provide stable and efficient precision connection solutions for the global industrial sector.



ESINLINK's products and services have covered more than 10 countries worldwide and been stably applied in core industries including automotive, oil and gas exploration, medical equipment, aerospace, communications, new energy, precision instruments and robotics. We have long provided supporting services for multiple Fortune 500 enterprises and industry leaders.

2013-2021

The founder has worked in quality inspection, procurement, sales and other positions at spring manufacturing enterprises in succession, accumulating extensive industry experience.

2023.11

WILLION, a senior technical expert in the precision spring field, joined the company as the **Chief Technology Officer**, kicking off the company's journey of technological research and development.

2026.03

The company moved to a new office space and launched a revamped official website, opening a new chapter in its development.

2021.5

The founder initiated the establishment of the company, focusing on the trade of precision springs.

2024

The company entered into OEM cooperation with three manufacturing enterprises, achieving the integrated integration of **trade, technological R&D and production**, and forming a one-stop closed-loop system.

**Purchasing and Quality
Control Department**

Lean Supply Chain Management and
Pre-Quality Control

**Solutions
Department**

A hub for customized design and
technical integration

**Sales and Service
Department**

Global Market Development and
Customer Relationship
Management

**Operations Management
Department**

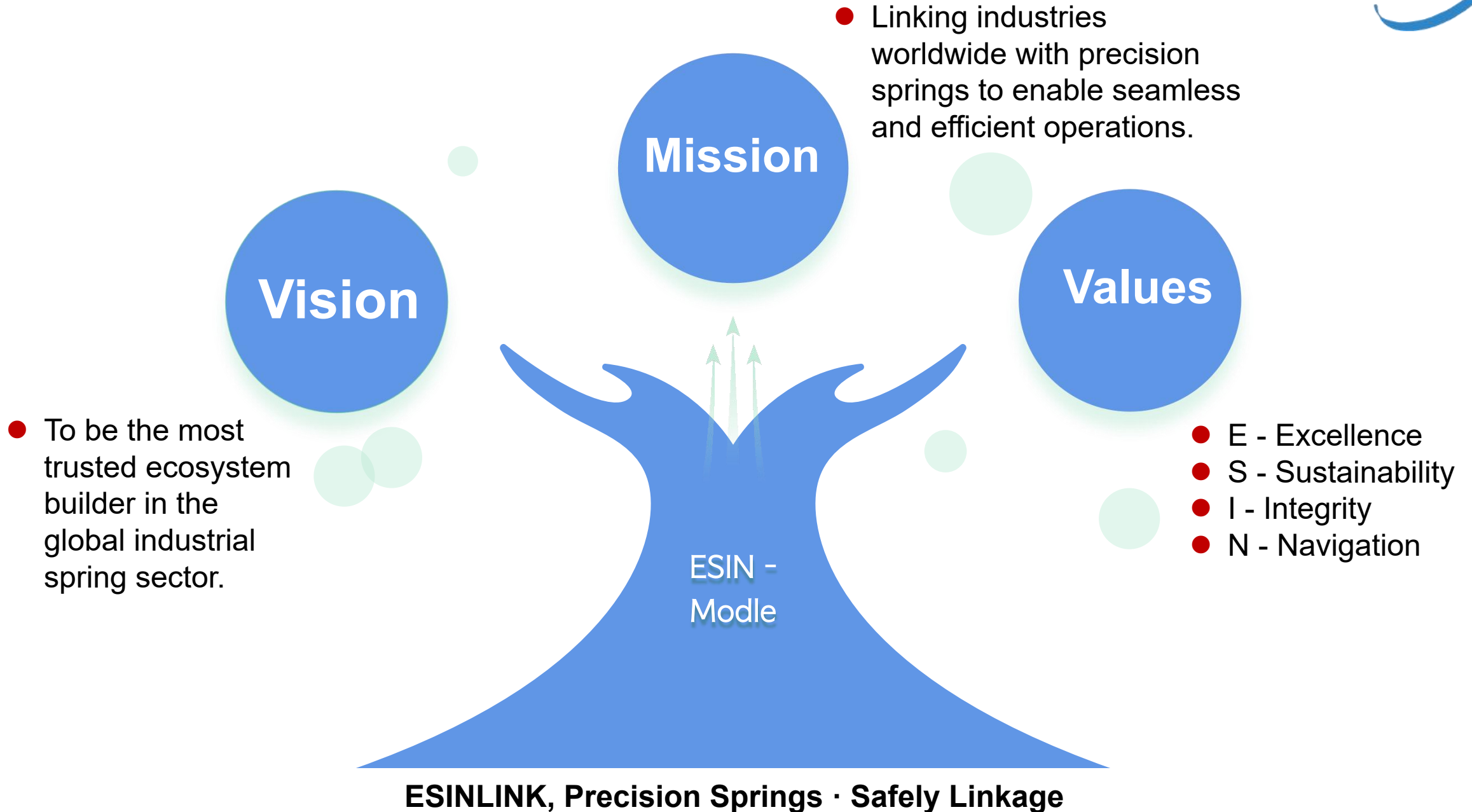
Resource Integration and
Internal Collaboration



02

Brand Core

Suitable for company promotion, product introduction,
development plan, business financing, etc.



Corporate Vision

01

To be the most trusted ecological co-builder in the global industrial spring industry.

We go beyond supply and demand, and jointly build an efficient, reliable and innovative industrial spring ecosystem with customers, suppliers and industry partners via technology, services and sustainable cooperation.

Corporate Mission

02

Linking industries worldwide with precision springs to enable seamless and efficient operations..

Beyond just selling springs, we become an indispensable part of customers' product performance and supply chains through precision manufacturing and in-depth services, enabling the efficient and reliable operation of industrial systems.

Core Values: The E-S-I-N Value Model

03

- **E - Excellence:** With precision manufacturing as the cornerstone, we pursue zero product defects, ultimate service quality and continuous process optimization, with the key dimensional accuracy controlled to $\pm 0.01\text{mm}$.
- **S - Sustainability:** We hold ourselves accountable to customer commitments, supply chain reliability and environmental compliance, and strictly adhere to international environmental and safety standards.
- **I - Integrity:** We earn customers' trust through transparent cooperation and uphold the bottom line of business ethics. Our professional foreign trade team ensures zero communication errors and zero demand distortion.
- **N - Navigation:** Driven by forward-looking technological layout and customized capabilities, we lead the application of springs and industrial evolution, and build a differentiated competitive advantage.

Trust Blue (Brand Primary Color)

It stands for the stability of the product's safe connection and the enterprise's sense of responsibility rooted in integrity, serving as a visual commitment to "safety and reliability".



Symbiosis Ring

Shaped like the precision threads of a spring, it represents exquisite manufacturing; resembling the earth, it highlights a global vision; symbolizing connection, it embodies sustainable cooperation for mutual benefit with global partners.

Value Chain

ESIN (core values) + LINK (connection actions) = creating value for customers. We translate the brand philosophy into customers' competitive advantages with our professional capabilities.

03

Core Strengths

Competitiveness Forged in Four Dimensions

01: Excellent Manufacturing Capabilities and In-depth Quality Control

- We only establish strategic cooperation with top-tier factories certified with systems such as ISO 9001, and strictly abide by international quality system standards.
- We have built a comprehensive full-process quality control system covering Incoming Quality Control (IQC), In-Process Quality Control (IPQC) and Outgoing Quality Control (OQC).
- The key dimensional accuracy can be controlled to $\pm 0.01\text{mm}$, fulfilling our commitment to zero product defects.

02: Focused Product Line and Professional Customization Capabilities

- We focus on the trade, design, manufacturing and supply chain management of high-end products including spring contacts, high-current connector terminals and EMI/RFI shielding solutions as our core business.
- We also engage in the trade of a full range of springs such as compression springs, extension springs, torsion springs, special-shaped springs, wire springs and wave springs.
- We support the supply of standard parts and full customization from concept to finished product, accurately meeting customers' personalized needs.

03: One-stop Solutions That Go Beyond Simple Transactions

- Value Engineering Analysis: Optimize designs on the premise of ensuring performance to help customers reduce overall costs.
- Rapid Prototyping: Respond quickly to R&D needs and accelerate customers' product launch process.
- Comprehensive Packaging and Logistics: Provide professional rust-proof and anti-mixing packaging, and arrange efficient international logistics to achieve high-efficiency global delivery.
- Full-process Technical Support: Offer expert-level technical guidance from drawing analysis and material selection to application optimization.

04: Experienced International Team

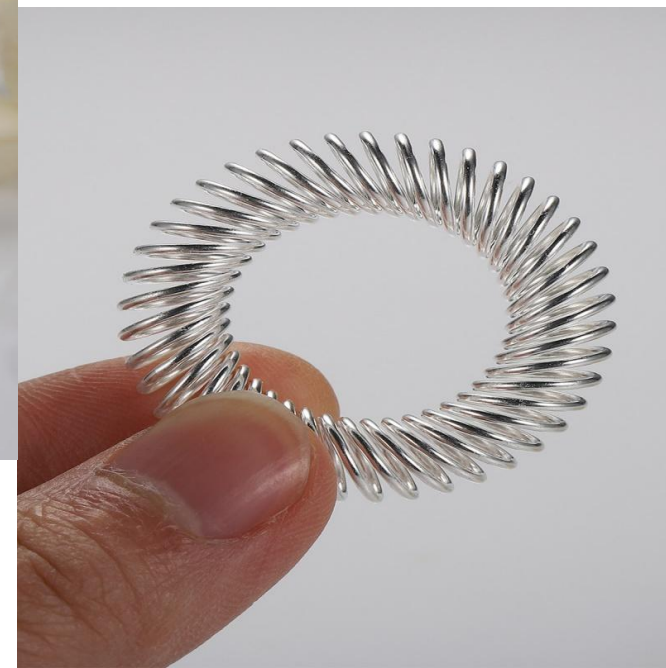
- Our core team has more than 12 years of experience in spring foreign trade and engineering, with a profound understanding of international market standards and customer needs.
- Our professional foreign trade team and technical team collaborate closely to accurately understand technical drawings and customization requirements, achieving zero communication errors.
- We are well-versed in international standards such as RoHS, ISO and NQA, and can provide a complete set of material reports and certification documents according to customer requirements.

04

Product Portfolio

Full Range of Precision Spring and Connector Solutions

With canted coil springs as its core technological foundation, ESINLINK has built a full range of products covering three major categories: precision springs, spring jacks and industrial connectors. All products support customized design, adapting to the high-end application needs of various industries worldwide. The core products have passed international certifications such as ISO9001:2015 and IATF16949:2016.



- Canted Coil Spring - Industrial Grade High-Elastic High Current Contact For Universal Connectors / Universal EMC Shielding & Conductive Dual-Function Contact Finger / High Current Vibration-Resistant Custom Contact For New Energy Full Industry Chain etc.

- Canted Coil Spring - High Reliability Multi-Contact Conductive Core Component / Full-Dimensional Customization Solution For Global Demands / Integrated Shielding & Conductive Spring For New Energy Anti-Interference etc.

Canted Coil Spring

As the core benchmark product of ESINLINK, it integrates internationally advanced manufacturing processes and combines three core functions—mechanical connection, electrical conduction and electromagnetic interference shielding—in one component. Featuring a multi-point contact design with independent coils, it is adaptable to harsh working conditions and serves as a core component of high-end connectors.

● **Core Features**

Near-constant elastic force output; stable conduction guaranteed by multi-point contact; excellent deformation resistance; precise tolerance compensation; high-efficiency heat dissipation with low temperature rise; multi-function integration; adaptation to a wide temperature range of $-40^{\circ}\text{C}\sim+140^{\circ}\text{C}$.

● **Materials and Plating**

Base materials include 302/316L stainless steel, beryllium copper/zirconium copper alloys, Inconel and other special alloys; optional plating finishes: gold plating, silver plating, nickel plating, tin plating.

● **Custom Specifications**

Wire diameter: 0.08mm-1.8mm; support for four load classes (light/medium/medium-heavy/heavy); full-dimensional parameter customization available according to groove design, force/conductivity requirements.

● **Performance Highlights**

Maximum continuous current up to 5700A; contact resistance as low as $0.05\text{m}\Omega$ - $0.1\text{m}\Omega$; standard service life $\geq 10,000$ cycles, with enhanced versions reaching more than 100,000 cycles.

Tips: 1. For more details, visit our official website(www.esinlink.com) or contact our representative.
2. All products are customizable.



Special Notice: Images are for reference only. Products shown are not standard items. Custom designs based on customer drawings are welcome. We respect intellectual property rights and strictly prohibit any infringement.

Derivative Spring Products

- **EMC Shielding Springs for New Energy Industry**

Featuring a single-lobed rotary hyperboloid wire spring socket structure, they integrate shielding, electrical conductivity and mechanical connection, specially designed for complex electromagnetic environments in new energy applications.

- **Spring Contact Series**

Industrial-grade high-elasticity high-current type, dual-function shielding & conductive type, custom type for new energy, and micro high-precision type for watch straps, to meet conductive requirements in various scenarios.

- **Bidirectional Helical Canted Coil Springs**

Exclusively for new energy connectors, with higher contact density and more uniform elasticity. Compliant with international standards including IEC62196, J1772 and GB20234.

- **Precision Spring Socket Series**

High-reliability supporting sockets for a wide range of connectors, perfectly matched with ESINLINK springs to achieve seamless conductive connection.

One-stop socket & pin assembly support is available.

Tips: 1. For more details, visit our official website(www.esinlink.com) or contact our representative.

2. All products are customizable.

Industrial Connector Series

Featuring canted coil springs / spring contacts as the core conductive structure, we provide high-reliability, high-current, and vibration-resistant industrial connectors for key applications including new energy, energy storage, industrial power supply, and rail transit.



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- **360° Floating Self-Aligning BTB Connectors**

360° omnidirectional floating displacement for automatic compensation of assembly misalignment. Contact impedance: 0.2–0.5 mΩ. Suitable for new energy battery packs and aerospace precision equipment.

- **LINK Series Multi-Pin Power Connectors**

Full range of 15/25/29/37 pins, compatible with State Grid charging module interfaces. Max 80A per pin, designed for 30KW/40KW charging stations.

- **High-Reliability Energy Storage Connectors**

Male + female design, optimized for high-frequency charging and discharging in energy storage systems. Contact resistance ≤ 0.5 mΩ. Applied in large-scale energy storage power stations and residential / C&I energy storage systems.

- **LINK60 & LINK90 Connectors**

Compatible with global EV charging standards and full-range industrial sockets. One product covers new energy vehicle, industrial energy storage, and general industrial scenarios.

- **Custom High-Current BTB Connectors**

Rated current customizable from 20–100A. Board-to-board distance accuracy ± 0.50 mm. Used in new energy vehicle power supplies and PV inverters.

- **Industrial Pin Connectors**

Fully compliant with IEC62196, J1772, and GB20234 standards. Socket sizes from 1.5–28 mm. Support matching shielding spring assembly.

Tips: 1. For more details, visit our official website(www.esinlink.com) or contact our representative.
2. All products are customizable.

05

Quality Commitment

Strict Full-Process Quality Control & Supply Chain Management



Quality Commitment: Strict Full-Process Quality Control and Supply Chain Management

ESINLINK firmly believes that genuine quality comes from strict internal management and scientific development of the supply chain system. With rigor as managers, collaboration as partners, and accountability as owners, we build a solid and reliable quality defense for our customers. We deliver not only products but also trust built on professionalism, responsibility, and integrity.



5.1 Internal Quality Management: Beyond Simple Trading

- **Systematic Quality Management**

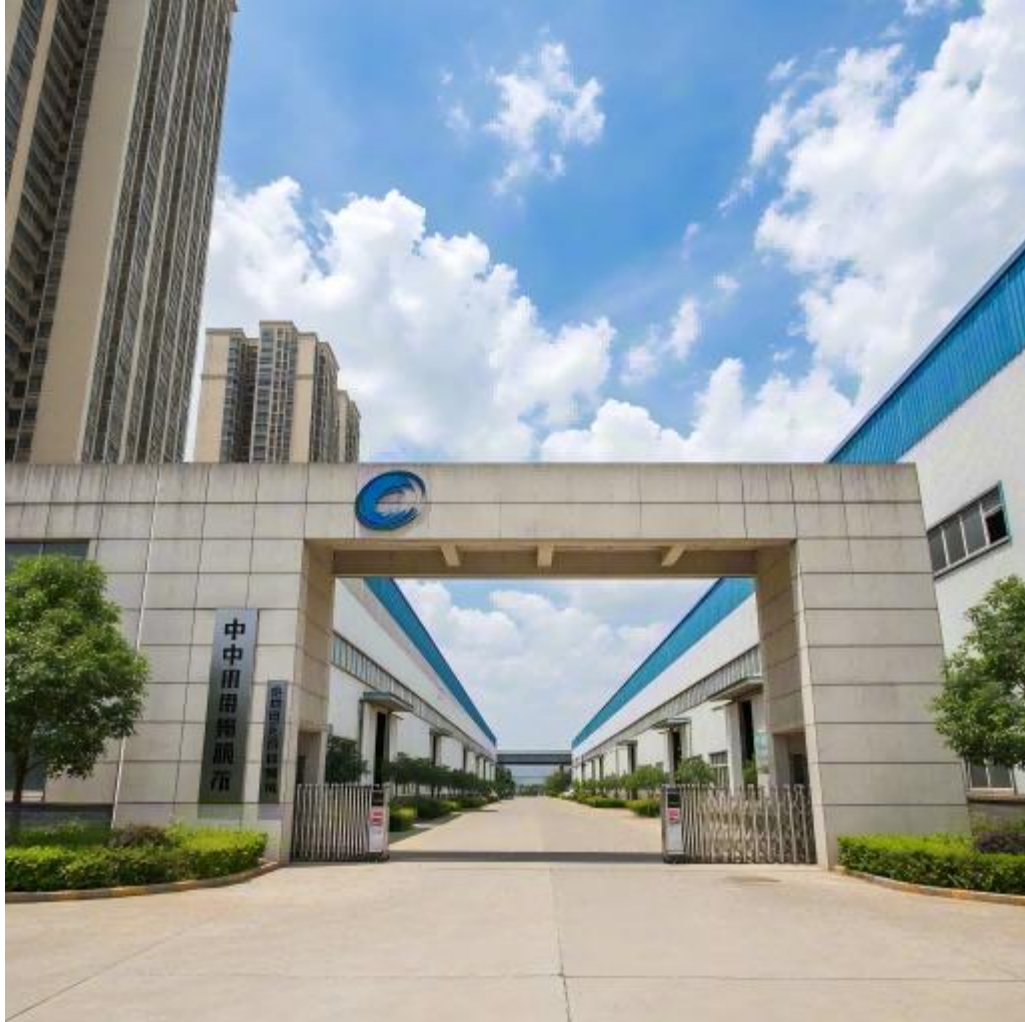
We establish and strictly implement a quality management system in accordance with ISO 9001:2015, covering the entire trade process from market research, supplier selection, to delivery and after-sales service, with clear procedures and complete records at every step.

- **Professional Quality Bridge**

Our professional quality control and technical team accurately translate customer technical requirements into production specifications for suppliers, ensuring zero misunderstanding and zero distortion in demand transmission.

- **Proactive Risk Management**

Using advanced quality tools such as DFMEA, SPC, and CPK analysis, we proactively identify potential supply chain risks and drive continuous quality improvement based on data.



5.2 Strategic Partners: Strict Selection and Collaborative Growth

- **Stringent Admission Mechanism**

We conduct comprehensive multi-dimensional audits on suppliers' quality systems, technical capabilities, production stability, and social responsibility. Priority is given to manufacturers certified with ISO9001, IATF16949, AS9100, etc.

- **Joint Quality Planning**

For key projects, we deeply participate in our partners' APQP (Advanced Product Quality Planning), jointly review designs, define control plans, and grant production approval via PPAP.

- **Continuous Supervision and Empowerment**

We carry out regular on-site audits and process audits, share industry best practices, and collaborate with partners on technical breakthroughs and process optimization to achieve mutual growth.



5.3 Delivery and Service Quality: On Time, Accurate, Zero Defects

- **Core Performance Indicators**

We commit to a 99% on-time delivery rate and take “one-time customer inspection pass rate” as the core KPI to ensure products meet agreed standards at the first submission.

- **Comprehensive Verification**

Before shipment, full-dimensional inspections (dimensions, performance, appearance, packaging) are conducted on-site or at third-party laboratories according to AQL standards or customer-specific requirements. We support in-factory supervision and 100% full inspection.

- **Full-Process Traceability and Rapid Response**

We have established a complete product identification and traceability system. Quality feedback is investigated timely, transparently, and thoroughly, with prompt corrective actions to maximize customer interests.

06

Exclusive Services

One-Stop Customized Integrated Services



ESINLINK defines “suppliers” as more than just product providers.

Acting as the multiple roles of **Personal Expert, Cloud R&D Center, Non-Stop Supply Chain, and International Standard Quality Officer**, we provide global customers with full-process, integrated services to make precision connections worry-free.

01. "Personal Expert" Selection Support

- On-demand "diagnosis" of application scenarios (sealing / conduction / electromagnetic shielding), with precise recommendations for models, materials and plating.
- Provide **free optimization suggestions** for customers' existing designs to avoid potential performance and cost risks.
- One-on-one support from a professional technical team, helping customers overcome selection difficulties and focus on their core design.

02. "Cloud R&D Center" Customization Services

- **Customization According to Drawings:** Accurately meet customer drawing requirements and achieve perfect implementation from design to finished product.
- **Joint Innovation:** With only concepts or ideas, our engineering team acts as an extension of the customer's R&D department to co-design, rapidly prototype and turn concepts into reality.
- Based on 3D CAD modeling and finite element analysis, we provide **fast prototype production**, greatly shortening the R&D cycle and helping customers seize market opportunities.

03. "Non-Stop" Supply Chain Assurance

- **Flexible Production:** Capable of meeting diverse demands from small-batch trials for startups to mass production for Fortune 500 companies, with a minimum order quantity as low as 50 pieces.
- **Consignment Inventory Service:** Deploy safety stock locally for customers to achieve "on-demand withdrawal, zero-inventory management", freeing up capital and warehouse resources.
- **Professional Logistics Management:** Full handling of complex processes including export, customs clearance and international transportation, enabling efficient and smooth delivery from China to the world. Standard products are shipped **within 3 days**.

04. "International Standard" Quality Assurance

- **Transparent Production:** Key processes are monitored in real time, and complete inspection reports are provided to customers, making the production process fully visible.
- **Global Certifications:** Products comply with international standards including RoHS, ISO, MIL, and ASTM. Full sets of certification documents are provided to help customers enter global markets smoothly.
- **Lifelong Traceability:** Each product is assigned a unique identification code for full lifecycle traceability, enabling fast and accurate resolution of quality issues.

07

Global Layout

Cooperation Cases & Industry Applications



Procurement Director, Oil Equipment Company, Saudi Arabia

We have cooperated with ESINLINK for three years. Their springs deliver extremely stable quality and have completely solved the intermittent failures on our production line.



Project Manager, Medical Device Company, Germany

Their technical support responds quickly and helped us optimize the spring design of a key component, reducing our cost by 15%.



01 Energy

Power transmission / distribution equipment, circuit breakers, new energy storage, PV inverters, charging stations, oil and gas downhole tools.

02 Transportation

New energy vehicles, high-speed rail / rail transit, on-board power systems, heavy-duty truck power connectors.



03 Aerospace

Avionics, aerospace connectors, airborne power systems, anti-vibration electrical connections.





04 Medical

Pacemakers, neurostimulators, infusion pumps, surgical instruments, EMI shielding for medical devices.

05 Electronics & Semiconductor

Board-to-board connectors, semiconductor manufacturing equipment, electromagnetic interference shielding, micro sensors.



06 Industrial Equipment

Laser equipment, industrial controllers, high-frequency switching power supplies, low-voltage power distribution cabinets, heavy-duty connectors.

07 Consumer Electronics

Smart wearables, portable analytical instruments, micro connectors.



08

Contact Us

Jointly Build an Industrial Spring Ecosystem

With precision springs as the link, ESINLINK looks forward to cooperating with global customers. With professional products, customized solutions and all-round services, we empower efficient connections in global industry and jointly build an efficient, reliable and innovative industrial spring ecosystem!

Global Business Contact

- **Contact Person:** Ms. Fei
- **Phone / WhatsApp / WeChat:**
+86 15918721949
- **Email:** contact@esinlink.com
- **Website:** www.esinlink.com
- **Address:** Room 1316-7, Guangdong International Building, No. 339 Huanshi East Road, Yuexiu District, Guangzhou, Guangdong Province, China

Act Now and Experience ESINLINK Exclusive Service

- **Sample Request:** Verify the superior quality and performance of our products.
- **Free Solution Evaluation:** Let our expert team support your project.
- **Instant Quotation:** Get competitive pricing and cost-effective solutions.
- **15-Minute Online Meeting:** One-on-one discussion with solution experts to customize your exclusive cooperation plan.



Global Partner for Precision **Spring** Solutions

10+ Countries in Automotive, Medical & Robotics, etc.

THANK YOU

Precision Connections, Trust **ESINLINK**.

Contact ESINLINK today for custom solutions and inquiries!



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contact@esinlink.com

