

OFFICIAL WEBSITE REVIEW

Company & Product Profile



Zhejiang Ironstamp Auto Parts Co., Ltd.

Automotive components for conventional and new energy vehicles.



Company background · Product technology · Manufacturing
Quality systems · Qualifications · Social responsibility · News

2016

Company established

7

Product categories

35,000 m²

Building area

Prepared from the official website on 08 October 2026. Contact details omitted.

COMPANY

Company background & history

The business, its scale and the milestones presented on the website.

Ironstamp develops and manufactures automotive intelligent components. The website presents an international business serving conventional vehicles and the growing new energy vehicle market.

Company detail	Website information
Company name	Zhejiang Ironstamp Auto Parts Co., Ltd.
Established	2016
General operating location	Rui'an, Zhejiang, China
Registered capital	RMB 30 million
Website employee figure	500+
Site / building area	12,000 m² / 35,000 m²
Global partners	800+
Overall compatibility claim	More than 95% of mainstream vehicle models
Annual output value display	350m - currency and reference year not identified

DEVELOPMENT MILESTONES

Year	Milestone
2016	Established as Zhejiang Ironstamp / Wenzhou Tieyuan.
2017	Power liftgate becomes a milestone product.
2020	Ironstamp brand launch and official rebranding.
2023	Modern factory completed and put into use.
2024	Shanghai R&D; centre established; new electric compressor launched for the global aftermarket.

Markets shown: Europe, Asia, North America, Africa, Australia and South America.

COMPANY

Culture, mission & strategy

The company's stated priorities and direction.

MISSION AND CUSTOMER PHILOSOPHY

Produce quality automotive components at competitive cost through innovation and technology. Customer value, long-term relationships and responsive service guide the stated business philosophy.

TECHNOLOGY AND MARKET DIRECTION

Maintain established automotive component capabilities while expanding into new energy vehicle parts. The website connects this direction to technical R&D; environmental priorities and the continuing electrification of the automotive industry.

Green manufacturing

Reduce operational environmental impact, follow environmental requirements and support lower-carbon development.

Employee rights and safety

Protect employee interests and build a fair, safe and inclusive workplace.

Responsible supply chains

Extend social responsibility across purchasing and supplier relationships to support sustainable operations.

Business integrity and customer care

Apply ethical business practices, deliver dependable products and services, and uphold fair competition.

These are the company's stated principles; the linked CSR report provides historical reporting on their implementation.

PRODUCTS

Portfolio at a glance

Seven product categories. Values below are published category-level figures.

Category	Coverage	Delivery	Warranty	Temperature
Gas Spring	90%	35-60 days	3 years	-30 °C to +80 °C
Power Liftgate	95%	7-15 days	2 years	-30 °C to +80 °C
Air Suspension Compressor	95%	7-15 days	2 years	-40 °C to +110 °C
TPMS Sensor	85%	7-15 days	2 years	-40 °C to +125 °C
Electric A/C Compressor	60%	7-60 days	2 years	-40 °C to +125 °C
Valve Block	85%	7-15 days	2 years	-40 °C to +125 °C
Door Lock Actuator	50%	7-15 days	2 years	Not listed

PRODUCTION AND MAXIMUM CAPACITY

Category	Homepage production / year	Product-page max. capacity
Gas Spring	6,000,000	10,000,000
Power Liftgate	500,000	1,000,000
Air Suspension Compressor	200,000	400,000
TPMS Sensor	600,000	3,000,000
Electric A/C Compressor	100,000	300,000
Valve Block	200,000	400,000
Door Lock Actuator	10,000	200,000

The product pages do not specify the time basis for "maximum capacity". It is shown separately from annual production.

Unassigned homepage statistics: 95% coverage; 100,000 runs or three years; 10 million units per year. No category label is supplied.

PRODUCTS / 01

Gas Spring

Technology, published specifications and all five FAQ topics.

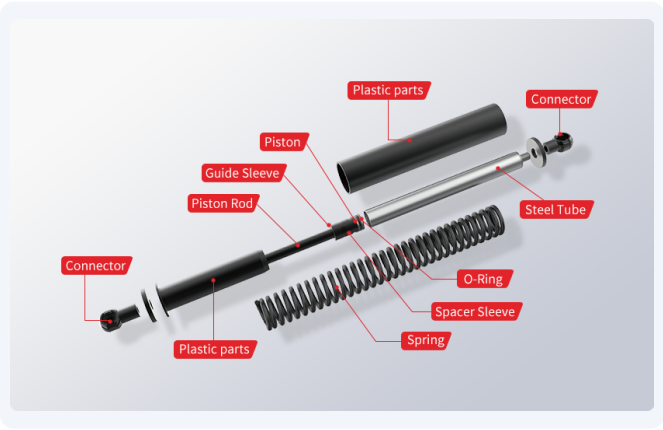


Illustration reproduced from the official product page.

Supports and cushions bonnet and tailgate movement, including EV applications.

- Double sealing: O-ring plus skeleton oil seal; NBR O-ring.
- QPQ surface treatment, electrophoretic corrosion protection and dust cover.
- Full-buffer construction; 100,000-cycle testing stated.

TECHNICAL SPECIFICATIONS

Material Durable steel	Delivery 35-60 days
Coverage 90%	Operating temperature -30 °C to +80 °C
Warranty 3 years	Maximum capacity 10 million units

WEBSITE FAQ SUMMARY

Topic	Summary
Sealing	Two seals retain high-pressure nitrogen.
NBR choice	Stability and wear resistance.
Noise	Buffered construction is described as quiet.
Service life	Repeated extension/retraction tests; no fixed calendar life.
Support	Quality problems covered by the stated three-year warranty.

Category figures and performance statements are the manufacturer's website claims. See page 15 for data notes.

PRODUCTS / 02

Power Liftgate

Technology, published specifications and all five FAQ topics.



Illustration reproduced from the official product page.

Motorised tailgate struts provide controlled opening and closing.

- More than 500 products; OE-based fitment and automated production.
- Imported control chips; internally developed low-heat, low-noise motor.
- Triple waterproof design with IP67 protection.

TECHNICAL SPECIFICATIONS

Material Plastic + steel pipe	Delivery 7-15 days
Coverage 95%	Operating temperature -30 °C to +80 °C
Warranty 2 years	Maximum capacity 1 million pieces
Working voltage 9-16 V	

WEBSITE FAQ SUMMARY

Topic	Summary
Durability	Designed for years of normal operation; exact life unspecified.
Malfunction	Check the power supply; obtain service if unresolved.
Fitment	OE-based design for mainstream models.
Installation	Described as straightforward, with instructions supplied.
Replacement	Inspect unusual noise, slowing or stalling.

Category figures and performance statements are the manufacturer's website claims. See page 15 for data notes.

PRODUCTS / 03

Air Suspension Compressor

Technology, published specifications and all five FAQ topics.

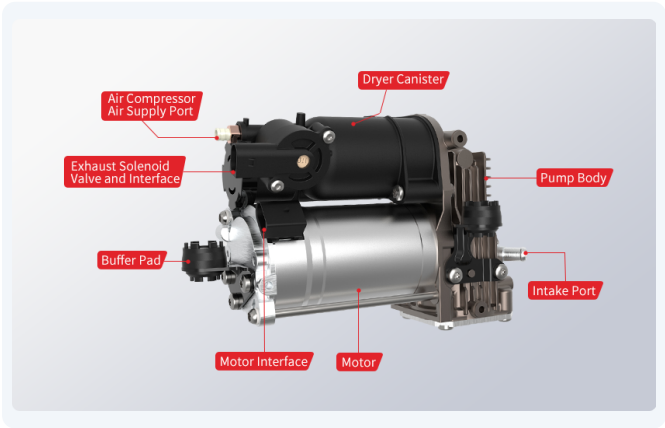


Illustration reproduced from the official product page.

Supplies air for suspension height and stiffness control in conventional and new energy vehicles.

- 200+ models; OE-based structure with upgraded components.
- PA66 nylon, high-silicon materials and hard anodising.
- Imported motor technology; low noise and rapid pressurisation; custom development listed.

TECHNICAL SPECIFICATIONS

Material field Rubber + steel	Delivery 7-15 days
Coverage 95%	Operating temperature -40 °C to +110 °C
Warranty 2 years	Maximum capacity 400,000 units
Ambiguous electrical field 455w - labelled "Work Voltage"	

WEBSITE FAQ SUMMARY

Topic	Summary
Operation	ECU commands compressor, reservoir and valve distribution to air springs.
EV support	New energy vehicle compatibility stated.
Noise	Smooth, low-noise motor operation claimed.
Service life	Up to 100,000 km stated; use and maintenance affect life.
Testing	All key parts inspected; speed, pressure, temperature, noise and pressure retention tested.

Category figures and performance statements are the manufacturer's website claims. See page 15 for data notes.

PRODUCTS / 04

TPMS Sensor

Technology, published specifications and all five FAQ topics.

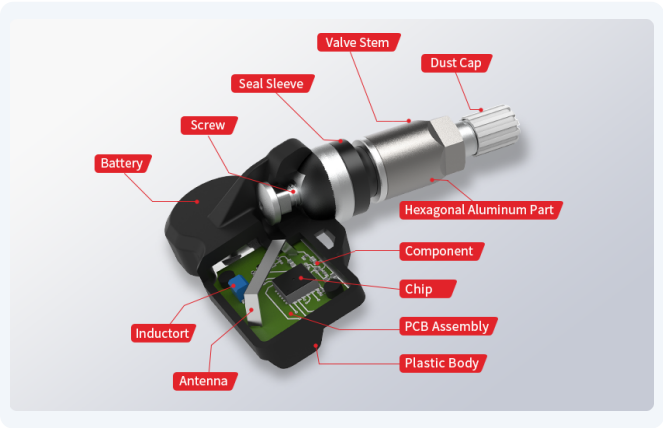


Illustration reproduced from the official product page.

- Wirelessly transmits tyre pressure and temperature readings. The homepage also mentions Bluetooth technology for EVs.**
- ± 3 kPa pressure accuracy; microamp-level consumption; automotive-grade electronics.
 - Automatic and OBD matching; acceleration sensing and customisation.
 - CE, RoHS, FCC and MSDS documents/compliance claimed.

TECHNICAL SPECIFICATIONS

Material Metal / rubber	Delivery 7-15 days
Coverage 85%	Operating temperature -40 °C to +125 °C
Warranty 2 years	Maximum capacity 3 million
Battery life 4-6 years	

WEBSITE FAQ SUMMARY

Topic	Summary
Monitoring	Wireless real-time pressure and temperature feedback.
Testing	100% current, battery-power and vibration simulation tests stated.
Acceleration	Sensing function detects changes in wheel status.
Temperature	Specified range covers extreme ambient conditions.
Customisation	Available to customer requirements.

Category figures and performance statements are the manufacturer's website claims. See page 15 for data notes.

PRODUCTS / 05

Electric A/C Compressor

Technology, published specifications and all five FAQ topics.

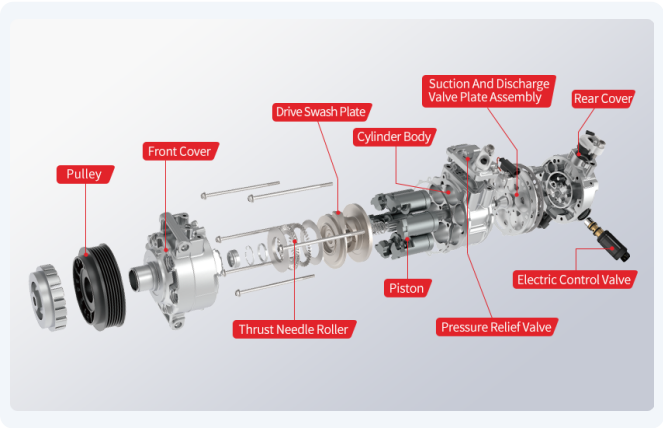


Illustration reproduced from the official product page.

Automotive A/C compressors for cabin cooling and heating; the homepage describes motor and ECU integration in EVs.

- Low-noise operation, rapid cooling and original-system dimensional matching.
- Variable-displacement control described for reduced energy use.
- Control parameters claimed to meet or exceed OE requirements.

TECHNICAL SPECIFICATIONS

Delivery 7-60 days	Coverage 60%
Operating temperature -40 °C to +125 °C	Warranty 2 years
Maximum capacity 300,000 units	Speed range 1,000-8,600 rpm

WEBSITE FAQ SUMMARY

Topic	Summary
Efficiency	Variable-displacement FAQ claims 10-30% energy reduction.
Quality	Established domestic suppliers and component validation stated.
Noise	Load adjustment is described as reducing noise.
Demand control	Workload adjusts to cabin temperature demand.
Service life	Reduced start/stop stress and maintenance are said to limit wear.

The category mixes electric-compressor and swashplate-compressor descriptions. See page 15.

PRODUCTS / 06

Valve Block

Technology, published specifications and all five FAQ topics.

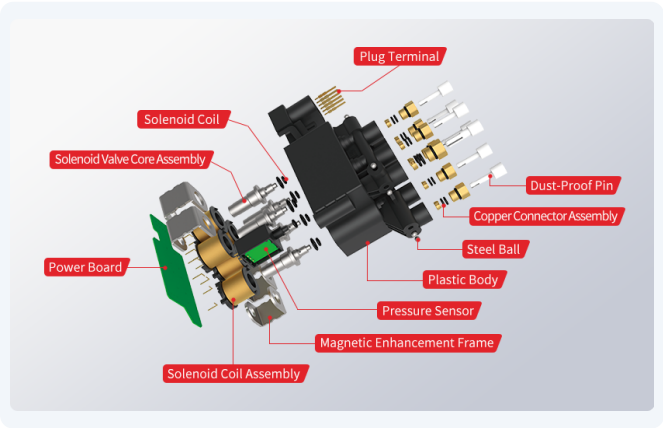


Illustration reproduced from the official product page.

Controls flow distribution for vehicle systems, including air-suspension height adjustment.

- 20,000-cycle durability testing; precision distribution and low-leakage claims.
- Quality materials and automotive-standard replacement design.
- Custom interfaces, flow rates and pressure configurations.

TECHNICAL SPECIFICATIONS

Accreditation field IATF16949	Delivery 7-15 days
Coverage 85%	Operating temperature -40 °C to +125 °C
Warranty 2 years	Maximum capacity 400,000 pieces
Maximum working pressure 2.5 MPa	

WEBSITE FAQ SUMMARY

Topic	Summary
Operation	Regulates pressure and flow to distribute air or liquid as required.
Applications	Cars, SUVs, commercial vehicles and EVs stated.
Selection	Vehicle, system requirements and operating conditions guide choice.
Customisation	Interfaces, flow and pressure can be tailored.
Leakage	Described as very low; no numeric leakage limit published.

Category figures and performance statements are the manufacturer's website claims. See page 15 for data notes.

PRODUCTS / 07

Door Lock Actuator

Technology, published specifications and all five FAQ topics.

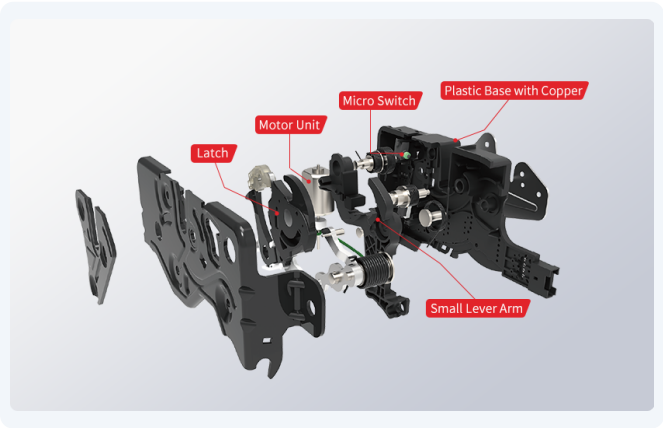


Illustration reproduced from the official product page.

Electronic locking mechanisms for vehicle doors; the homepage also describes tailgate use.

- Internally developed motor software and hardware; precise control.
- Fast response, low noise, lightweight and modular construction.
- High-strength protective design; IP67 dust/water protection stated.

TECHNICAL SPECIFICATIONS

Material codes as published POM + PDT + GF30 + SAPH440 + SPCC	Delivery 7-15 days
Coverage 50%	Warranty 2 years
Maximum capacity 200,000 units	

WEBSITE FAQ SUMMARY

Topic	Summary
Operation	Electronic module and sensors command the lock mechanism.
Durability	Tens of thousands of operations tested; exact life unspecified.
Fitment	Mainstream models and custom modular arrangements described.
Protection	IP67 protection claimed for demanding environments.
Failure	Technical support or replacement under the stated two-year warranty.

Category figures and performance statements are the manufacturer's website claims. See page 15 for data notes.

TECHNOLOGY

Manufacturing, quality & laboratory

The production infrastructure and inspection system described on the website.



Gas spring production workshop



Laboratory facilities

MODERN INTELLIGENT FACTORY

The factory combines automated lines, intelligent management and controlled production environments. The site covers 12,000 m² with 35,000 m² of buildings. Dust-free facilities are presented as supporting precision and stable component performance.

Workshops	Workshops	Workshops
01 Gas spring	02 Power liftgate	03 A/C compressor
04 Air suspension compressor	05 Valve block	06 TPMS sensor
07 Door lock actuator	08 Machining	09 Dust-free workshop

QUALITY MANAGEMENT

Controls cover raw material procurement, manufacturing and factory release. Dedicated testing personnel use domestic and international equipment to inspect physical and chemical properties, component performance and complete assemblies. Multiple inspections aim to keep outgoing products consistent.

MODERN LABORATORY

More than 500 m² of laboratory space, advanced test equipment and a dedicated professional team are listed. The laboratory uses inspection, experiments and data analysis to validate automotive components against international quality requirements.

CREDENTIALS

Qualifications & company recognition

Document titles and honours displayed in the official galleries.

MANAGEMENT SYSTEMS AND TECHNICAL DOCUMENTS

Area	Website-listed documents
Automotive quality	IATF16949 - English and Chinese versions
Quality management	ISO9001 certificate
Environmental management	ISO14001 - English and Chinese versions
Occupational health and safety	ISO45001 - English and Chinese versions
EMC / radio-related documents	CE-EMC; FCC
Other listed document titles	MSDS; GSG; High-tech Enterprise Certificate
Test report references	CTG221205515S1-ER00; CTG240425134S1
TPMS product-page claims	CE, RoHS, FCC and MSDS

ENTERPRISE HONOURS

- 2022 Rui'an High-Growth Industrial Enterprises
- 2023 Rui'an High-Growth Industrial Enterprises
- Wenzhou Enterprise Technology Research and Development Center
- National High-tech Enterprise
- Innovative Small and Medium-sized Enterprises in Zhejiang Province

The profile records the document titles shown online. Certificate scopes, issue dates and expiry dates are not assessed here. The website label "GSG" is retained without expansion.

RESPONSIBILITY & NEWS

Social responsibility & news

Historical reporting and the website's published exhibition updates.

2024 CORPORATE SOCIAL RESPONSIBILITY REPORT

The linked 14-page report covers January-December 2024 and is dated 25 February 2025. Governance combines board oversight, management coordination, departmental execution and external review.

Coverage: emissions and energy; water and waste; labour rights and equality; anti-bribery and intellectual property; responsible procurement; training, welfare and workplace safety; product quality and customer care.

Reported 2024 indicator	Value
Revenue / growth	RMB 300 million / 40% year-on-year
Photovoltaic system	640 kWp; 859,000 kWh annual generation
Solar share of electricity	76%
Wastewater treatment capacity	5 m³ per day
Industrial waste recycling	100%
Labour contracts / social insurance	100% / 100%
Average employee training	23.2 hours
Product pass rate	99.94%
Complaint resolution	99.4%

2025 priorities: lower emission intensity, higher solar share and water reuse, employee training, supplier development, green R&D; and customer-service improvements. These are plans in the historical report.

EXHIBITION AND NEWSROOM UPDATES

05 Dec 2024 - Automechanika Shanghai 2024: automotive components and technology solutions presented.

01 Dec 2023 - Automechanika Shanghai 2023: product quality and automotive technologies showcased.

The News Room and Exhibitions sections show these two articles. No entries were visible in Product Release or Industry News when reviewed.

SOURCE NOTES

How to read the website figures

Clarifications preserve the original information without adding unsupported assumptions.

Topic	Website detail	Treatment in this profile
Employee figures	Company page: 500+. CSR overview: 380 in 2024; its gender section totals 372.	Current website and dated CSR figures are kept separate. CSR headcounts are internally inconsistent.
Annual output value	Company page displays "350m".	Currency and reference period are unspecified; it is not labelled as revenue in this profile.
Production vs capacity	Homepage gives annual production. Category pages give different "maximum capacity" values.	Both sets appear on page 4. The capacity time basis is not published.
Extra homepage block	An eighth statistics block appears after seven category blocks.	Its 95%, 100,000-run/three-year and 10-million values are retained as unassigned information.
Compressor electrical field	Air suspension page labels "455w" as "Work Voltage".	W is a power unit, not a voltage unit. The published field is retained; no voltage is inferred.
A/C description	Electric A/C category contains an air-suspension heading and variable-displacement swashplate FAQs.	The profile records the category as published. These details do not establish one compressor architecture for every model.
Material code	Door lock material string contains "PDT".	The exact code is retained without silently changing it to another polymer designation.
CSR internal totals	Patent counts differ: four in the narrative versus seven in the KPI summary. Other workforce and environmental figures also vary.	Only selected indicators are summarised. The report is historical and company-reported, not an independently reconciled dataset.

Coverage percentages describe the manufacturer's portfolio claims. Lead times, warranties and performance values are category-level website statements, rather than model-specific order terms.

REFERENCES

Source index & review scope

Official company pages and the linked responsibility report reviewed for this document.

Source website: <https://www.ironstamp.com/>

Reviewed: 08 October 2026. References below are clickable.

Ref.	Section / document	Official page path
S01	Home and product production figures	/
S02	Group Introduction	/about_7/
S03	Company Culture	/about_8/
S04	Our History	/list_9/
S05	Group Honor - combined document gallery	/list_10/
S06	Qualifications	/list_73/
S07	Honor	/list_74/
S08	Gas Spring	/list_11/
S09	Power Liftgate	/list_12/
S10	Air Suspension Compressor	/list_13/
S11	TPMS Sensor	/list_14/
S12	Electric A/C Compressor	/list_15/
S13	Valve Block	/list_16/
S14	Door Lock Actuator	/list_17/
S15	Quality Control	/list_19/
S16	Modern Intelligent Factory	/list_20/
S17	Modern Laboratory	/list_21/
S18	News Room	/list_4/
S19	Exhibitions	/list_22/
S20	Product Release	/list_23/
S21	Industry News	/list_24/
S22	Automechanika Shanghai 2024	/list_22/62.html
S23	Automechanika Shanghai 2023	/list_22/61.html
S24	2024 CSR report - 14 pages	/static/upload/file/20251029/1761726467688187.pdf

Scope: 23 non-contact pages and the linked 14-page CSR report. Company background, all seven product categories and FAQ topics, technology, document galleries, honours, CSR themes and news are summarised.

Omitted: phone/fax numbers, email and postal addresses, contact forms, social contact links and QR codes. No complete OE-number catalogue, price list or MOQ was published on the pages reviewed.