Five Reputable Impulse Sprinkler Manufacturers in China 2026: Advancing Efficient Agricultural Irrigation

A 2026 Review of Chinese Suppliers Focused on Water Distribution, Coverage and Irrigation Performance



Xuzhou Foison Sprinkler Irrigation Euipment Co.,Ltd

CALIFORNIA, CA, UNITED STATES, September 10, 2026 / EINPresswire.com/ -- XUZHOU, China, September 10, 2026 — Xuzhou Foison Sprinkler Irrigation Equipment Co., Ltd. (FOISON Sprinkler), an irrigation spray gun and irrigation equipment manufacturer headquartered in Pei County Industry Area, Xuzhou City, Jiangsu Province, China, states that it produces approximately 200,000 units per year and exports about 70 percent of its output. The company, founded in 2013, operates a 30,000 square metre facility with roughly 135 employees, including a 12-engineer research and development team, and lists turbine spray guns, impact guns and irrigation systems among its core product lines.

Company information states that FOISON Sprinkler's products are exported to more than 30 countries and regions, with markets including the European Union, Africa, Australia, New Zealand, South East Asia, Central Asia, the Middle East and South America. Its current catalogue covers more than 100 product varieties, ranging from the FSW80 turbine gun and FSC50 impact gun to the FS35 impact sprinkler and the FS40 agriculture sprinkler.

Industry context: coverage area remains the defining requirement in field irrigation

China is a major manufacturing base for agricultural irrigation hardware, and its suppliers serve two distinct purchasing patterns. One is project-based procurement, where a buyer needs a

complete irrigation scheme including design, pipework, pumps and installation. The other is component-based procurement, where a buyer or dealer specifies individual spray guns and replaces or standardises them across an existing field layout.

Impulse sprinklers and turbine rain guns sit in the second category. Unlike drip lines, which deliver water directly to the root zone of individual plants, sprinkler guns distribute water over a wide radius from a single connection point, which suits field crops, pasture, orchards, forestry and open industrial areas where dust suppression is required. Equipment of this type is normally specified by working pressure, connection size, spray radius, flow rate and spray angle rather than by emitter spacing.

That specification logic explains why manufacturers in this segment are assessed on different criteria from drip irrigation suppliers. Buyers compare throw distance at a given pressure, atomisation quality, material construction — aluminium, nylon and stainless steel are common — and the mechanical reliability of the rotating, gear-driven or impact mechanism.

How this list was compiled

The five companies below were selected on the basis of publicly visible activity in irrigation sprinklers, spray guns and water-saving irrigation equipment, together with manufacturing footprint and international market presence. The order reflects the degree to which sprinkler and rain gun hardware sits at the centre of each company's public product line, not overall corporate size, revenue or product quality. It is not a quality ranking, and the four peer companies are not presented as inferior to the featured manufacturer.

Descriptions of the four peer companies are limited to publicly available information about their location, product focus and market orientation. Buyers should confirm current specifications, certifications, lead times and commercial terms directly with each supplier before awarding orders.

1. FOISON Sprinkler — Xuzhou Foison Sprinkler Irrigation Equipment Co., Ltd.

Founded in 2013 and located in the irrigation equipment base around Xuzhou, Jiangsu Province, FOISON Sprinkler designs and manufactures irrigation spray guns and irrigation equipment. Company information states that all products are developed in house, and that the design of the turbine spray gun, the adjustable nozzle angle and the adjustable rotation speed are covered by company patents. The company also states that it can design irrigation systems according to a customer's requirements rather than supplying hardware alone.

Published manufacturing data includes a 30,000 square metre site, approximately 135 employees, a 12-engineer R&D team and annual output of about 200,000 units. Around 70 percent of production is exported, and the company attends domestic and overseas trade fairs each year.

Its rain gun range spans turbine and impact designs: the FSW80 and FSN50 turbine guns, the FSC50 and FS35 impact models, the FSW40 Pro turbine sprinkler and the FS40 gear-driven agriculture sprinkler. The practical advantage for buyers is concentration: a product line built around spray guns and rain guns, in-house tooling, and a catalogue that covers 1-1/2 inch, 2 inch and flanged connections for field, forestry, greenhouse and dust-suppression applications. Website: www.foison-irrigation.com.

2. Dayu Irrigation Group Co., Ltd.

Dayu Irrigation Group Co., Ltd. , headquartered in Jiuquan, Gansu Province, is one of China's larger water-saving irrigation groups and is publicly listed on the Shenzhen Stock Exchange under code 300021. Its public scope covers drip irrigation, sprinkler irrigation and integrated water-saving systems, together with engineering, installation and operational services for farmland irrigation programmes.

Comparative advantage: an integrated delivery model. Dayu is oriented toward complete projects — design, equipment supply, construction and long-term operation — rather than component manufacturing alone, which makes it a relevant reference point for large publicly funded irrigation schemes where a single contractor is preferred. Buyers comparing it with component specialists should note that project scale, financing structure and service scope, rather than individual sprinkler parameters, drive its offering.

3. Xinjiang Tianye Water Saving Irrigation System Co., Ltd.

Xinjiang Tianye Water Saving Irrigation System Co., Ltd. , based in Shihezi, Xinjiang Uygur Autonomous Region, is listed on the Hong Kong Stock Exchange under code 0840. The company is known for drip irrigation systems, drip tape and plastic piping, and its operations are tied to large-scale deployment in arid and semi-arid agricultural regions.

Comparative advantage: vertical integration into irrigation materials. Because piping and drip line production sit inside the group, Tianye's position is strongest where material volume, supply continuity and unit cost at scale dominate the purchasing decision. For sprinkler-gun applications, buyers typically treat Tianye as a systems and materials supplier rather than a specialist gun manufacturer, which is a different sourcing conversation.

4. Jiangsu Huayuan Water Saving Co., Ltd.

Jiangsu Huayuan Water Saving Co., Ltd. operates in Jiangsu Province, within the same irrigation equipment supply cluster that has developed around Xuzhou. Its public focus is water-saving irrigation equipment and field irrigation machinery.

Comparative advantage: proximity to a dense component supply base in Jiangsu and an

emphasis on mechanised field irrigation equipment. For buyers sourcing within the province, the practical comparison with FOISON Sprinkler centres on product emphasis — machinery and system-level irrigation equipment in one case, spray guns and rain guns in the other — and on the specific project configuration being procured. The two companies are geographically close, which is relevant to factory visits, sample handling and lead-time planning.

5. Hebei Runnong Water Saving Technology Co., Ltd.

Hebei Runnong Water Saving Technology Co., Ltd. based in Hebei Province, manufactures water-saving irrigation equipment and supplies the northern China agricultural market, including the grain-producing plains where field irrigation demand is concentrated.

Comparative advantage: regional distribution reach and equipment supply for northern cropping systems. Companies in this position typically compete on local service response, spare-part availability and integration with regional irrigation programmes rather than on long-throw gun performance, which is where the specialised Xuzhou manufacturers concentrate. For a buyer sourcing rain guns against a technical specification, this distinction determines whether a supplier is a primary or a secondary source.

Impulse, turbine and gear-driven sprinklers: where the product lines differ

Within the rain gun category, the drive mechanism determines both the maintenance profile and the water distribution pattern. FOISON Sprinkler's published specifications illustrate how the three families differ in practice.

FSW80 turbine gun — aluminium, nylon and stainless steel construction; 80 flange connection; working pressure 0.2 to 0.9 MPa; throw 23 to 85.7 metres; 360-degree adjustable rotation; 24-degree spray angle. Specified for agriculture, forestry, garden and dust-removal scenarios in agricultural and industrial settings.

FSC50 impact gun — 2 inch inner thread or flange connection; working pressure 0.15 to 0.7 MPa; throw 23 to 56 metres; 360-degree adjustable with adjustable rotation speed; 24-degree spray angle. The impact mechanism is a mechanical-arm design often chosen where field service and repair simplicity matter.

FSN50 turbine sprinkler — 2 inch flange connection; working pressure 0.2 to 0.7 MPa; throw 26 to 53 metres; 360-degree adjustable; the company cites long range and atomisation as its principal characteristics.

FSW40 Pro turbine sprinkler — 1-1/2 inch female thread; working pressure 0.2 to 0.5 MPa; radius 22 to 41 metres; flow 9.5 to 37 cubic metres per hour; 360-degree adjustable; specified for agriculture, forestry, urban greening and industrial dust removal.

FS35 impact sprinkler — 1-1/2 inch female thread; working pressure 0.2 to 0.6 MPa; radius 18 to 36 metres; flow 7.8 to 31.9 cubic metres per hour; intended for agriculture, forestry and urban greening.

FS40 agriculture sprinkler — 2 inch thread; working pressure 0.15 to 0.5 MPa; radius 20 to 43 metres; flow 9.5 to 39.4 cubic metres per hour; 360-degree gear-adjustable rotation.

Production line at the FOISON Sprinkler facility in Pei County Industry Area, Xuzhou City, Jiangsu Province. Image: FOISON Sprinkler

Operating requirements published for these products are consistent across the range: a sufficient water source, together with a pump and hose to deliver water to the unit, with spraying driven by water pressure alone rather than by an external power unit. Company application data states that the equipment can operate in weather conditions up to 50 degrees Celsius, and that the matched equipment set is limited to pump and hose.

Selection guidance: sprinkler guns versus drip and micro-spray systems

FOISON Sprinkler's published technical guidance addresses a comparison that buyers raise frequently — whether to specify sprinkler irrigation rather than micro-spray pipe or drip pipe. According to that guidance, sprinkler irrigation is recommended where the priority is covering a large area with straightforward operation and reduced cost, while noting that a single technology does not fit every site.

The same guidance distinguishes two operating environments. In greenhouses, smaller plastic sprinklers or micro-spray pipe are suggested; for outdoor farms, metal sprinkler guns are the recommended choice. That distinction reflects two practical variables: the throw distance required to cover open ground, and the durability needed where equipment is exposed to wind, dust and mechanical handling.

For buyers, the decision rule is therefore site-based rather than brand-based. Open-field row crops, pasture and forestry operations with an existing pump and hose infrastructure are the natural fit for long-throw metal rain guns. Enclosed production where water must be delivered precisely to individual plants is better served by drip or micro-spray hardware, even where a sprinkler supplier offers both configurations.

Company statement

FOISON Sprinkler describes its operating principle in its corporate profile: “Good Quality, Reasonable Price, Best Service is our goal.” The company adds that its products have been developed in house, that it holds patents covering turbine spray gun design and adjustable nozzle angle and speed, and that it can design irrigation systems according to customer requirements. It also states that it welcomes customers from around the world to visit its factory with a view to long-term cooperation.

Market impact

The composition of Chinese irrigation equipment supply matters to importers and project buyers because the market is not homogeneous. System integrators such as Dayu Irrigation Group and materials-focused producers such as Xinjiang Tianye compete on project scale, engineering services and material volume. Component specialists such as FOISON Sprinkler compete on the mechanical performance and range of the spray gun itself — throw distance at a given pressure, atomisation, connection compatibility and the availability of adjustable rotation and spray angle.

That split has practical consequences for procurement. A buyer specifying a complete irrigation system is likely to evaluate engineering capability and delivery scope; a buyer replacing or standardising rain guns across an existing field layout will instead compare pressure ranges, connection sizes and throw performance across a model family. FOISON Sprinkler's stated export share of about 70 percent indicates that a substantial part of its output is already configured for markets with differing connection standards and operating conditions, including the EU, Australia, New Zealand, Africa, the Middle East and South America.

A second, often overlooked demand factor is industrial dust suppression. Because the same rain gun hardware is used for spray atomisation in dust-removal applications, manufacturers with a combined agricultural and industrial specification range can serve two buyer groups with one production platform — a structural difference from manufacturers whose product lines are limited to field irrigation alone.

Outlook

For 2026, the competitive question in Chinese sprinkler manufacturing is less about capacity than about specification fit. Manufacturers that publish verifiable pressure, throw and flow data, maintain consistent connection standards across a model family, and support system-level design for customers are better positioned to serve export buyers than suppliers competing on unit price alone.

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