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雪人集团
SNOWMAN GROUP

Natural gas Liquefaction Solutions

Natural Gas Liquefaction Solutions



**Focus on
screws for
one hundred
years**

More than 3 million screw compressors worldwide are licensed from SRM

Stable, reliable, environmentally friendly and highly efficient systems for a wide range of applications in the petroleum and chemical industries.



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About Us

Fujian Snowman Group Co., Ltd. ("Snowman" or the "Company"), founded in March 2000 and listed on the Shenzhen Stock Exchange in December 2011 (stock code: 002639), is a high-tech enterprise specializing in the manufacture of cooling, heating, and new energy equipment, which is driven by thermal power technology and underpinned by precision manufacturing processes. Snowman is dedicated to providing products, technology, and services in the fields of industrial refrigeration, cold chain logistics, clean energy, and hydrogen energy globally.

As a one-stop solution supplier of refrigeration and process compression with Swedish SRM screw compressor technology, Snowman Group creates value for its customers while contributing to society as a whole. With its manufacturing base in Fujian, China, Snowman provides well-crafted refrigeration and process compression equipment for the petrochemical industry. In less than ten years since its establishment in China, Snowman SRM's industrial refrigeration and gas compression business has rapidly expanded, covering applications across the entire upstream and downstream petrochemical industry chain. From upstream energy extraction, oil and gas pipeline transportation, to petroleum refining, and polyolefin production, to new chemical materials, new energy, and pharmaceutical sectors in midstream and downstream, all of these sectors benefit from the use of Snowman SRM screw compressor units.

Global Business Layout:



4 Manufacturing Bases 5 Major R&D Centers 60+ Exporting Countries 50+ Sales Centers

4000+ Number of Employees Worldwide 20+ Subsidiaries

Development History

03

Development period

2022 to present

Snowman continues to rapidly expand its products, technologies and services in the fields of industrial refrigeration, cold chain logistics, clean energy and hydrogen energy power.

2021

1. From liquid helium to superfluid helium temperature range, the large-scale low-temperature refrigeration technology has been recognized as an international leading scientific research achievement.
2. Completed the delivery of the Green Winter Olympics project.

02

M&A and transition period

2015–2020 (R&D cooperation)

Established a hydrogen fuel business team and cooperated with Canadian Hydrogenics, Japanese Toyota Motor and Hydrogen Power to develop fuel cell technologies.

2018–2020 (Application promotion)

1. Industrial refrigeration products were utilized in the high-standard petrochemical projects.
2. The helium screw compressor was identified as the first piece (set) of major technological equipment in China.
3. The hydrogen fuel cell engine project was included in the national "Industrial Strengthening Demonstration Application Program" .
4. Promoted the operation of the first hydrogen fuel cell bus demonstration route in Fujian Province.

2013–2016 (Investment and M&A)

1. Merged and acquired the global assets and sales business of RefComp-an Italian brand.
2. Acquired 100% shares of SRM Group in Sweden.
3. Subscribed 19.99% shares of CN Company in the United States.
4. Merged and acquired 100% shares of Sichuan Jade Oil and Gas (a first-tier material supplier for PetroChina).

2011

Listed on the Shenzhen Stock Exchange in China.

01

Entrepreneurial period

2005

Became a leading ice making system enterprise in China.

2000

Established for specializing in the R&D and manufacturing of ice making systems and refrigeration systems.

Top-Quality Brand

SRMTEC | Originated in Sweden,
became the pioneer and leader of screw compressor.

- Inherited a 115-year legacy of technical quality & energy efficiency.
- Over 3 million units are licensed globally under SRM screw compressor technology.
- The license involved 56 international brands.

• Refrigeration and Freezing Screw Compressor

York, Mayekawa, KOBELCO, GEA.....

• Air Conditioning Screw Compressors

Carrier, Trane, Hitachi, York, Ebara.....

• Air/Process Air Screw Compressor

Atlas, Ingersoll-Rand, Howden, MAN TURBO.....



Rich Product Line

Petrochemical and Chemical Compressor

- A wide range of products covering open-type and semi-hermetic type
- Single-stage, single two-stage and high-pressure compressor
- A complete range of specifications and models with a wide range of displacement
- Suitable for various application working conditions

Unique design for high performance

- The SRM "i" profile design ensures high efficiency, high strength, as well as low vibration and noise.
- The special design of the suction port enhances the suction efficiency.
- Differential pressure oil supply reduces power consumption and improves energy consumption.
- The double vapor injection port design improves the make-up efficiency.
- The spray cooling of the rotor improves isentropic efficiency.



Open-type Single-stage Screw Compressor



Semi-hermetic Propane Explosion-Proof Compressor



Open-type Single Two-stage Screw Compressor



Open-type High Pressure Compressor

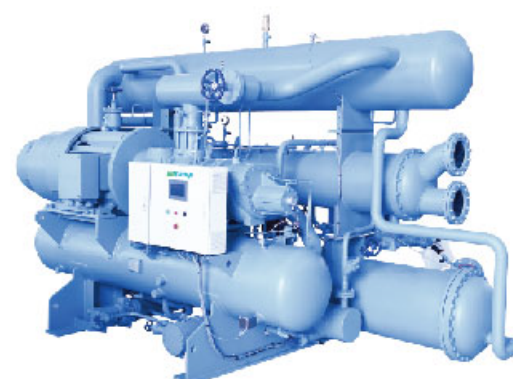
Rich Product Line

Industrial refrigeration and gas compression skid-mounted unit

1. Provide direct cooling, secondary refrigerant cooling, gas liquefaction of single-stage, single two-stage, dual two-stage, and cascade refrigeration, and other refrigeration systems, as well as a variety of process gas compression systems;
2. Applications: Various refrigerants including freon, ammonia, and alkane, as well as process compression media such as natural gas, CO₂, coalbed methane, and mixed refrigerants.
3. The refrigeration temperature ranges from +15°C to -100°C, and the maximum discharge pressure can reach 40 bar.
4. The unit is applicable to extreme outdoor climates or in special industrial environments with explosive gases and dust.



Industrial Refrigeration Screw Compressor Unit



Open-type Screw Brine Unit



Propylene Compressor Unit



MRC Mixed Refrigerant Screw Compressor Unit

Comprehensive Considerations Ensuring Product Quality

Applications

Fully considering the customer's process requirements, including working conditions, media and flow, and oil content in exhaust gas, Snowman provides customized products for petrochemical and oil and gas treatment clients.

Safety

Snowman strictly reviews the safety design of compressors and their operations in flammable, explosive, or toxic environments, including explosion-proof design, process gas leakage protection, and safety interlock design.

Environmental Protection

In response to increasingly stringent environmental regulations at home and abroad, Snowman has designed compressors with environmental requirements in mind, including noise control, non-polluting emission of volatile oil vapors, and collection of sewage and waste oil.

Efficiency

With over 80 years of design experience in screw compressors, the latest SRM profile and strict system design, ensures that its compressor systems operate at their optimal efficiency, enabling customers to achieve maximum benefits with minimal energy consumption.

Turnkey Project

In addition to providing high-quality products, Snowman offers design, engineering, and installation services for refrigeration and related systems. From design and manufacturing to installation, commissioning, trial operation, and manufacturing support, Snowman takes full responsibility until the customer signs off on the entire solution. Furthermore, it provides complete design and operational drawings, realizing a true turnkey project. Technical consultation and buyer training services are also available during system operation.

Reliability

Snowman conducts comprehensive reliability analysis for every refrigeration or processing screw compressor and its system to meet the design and manufacturing requirement of continuous, fault-free operation for 24,000 hours. In addition, for key components that influence the long-period operation of the compressor, including compressor housing, rotors, bearings, shaft seals, drive equipment, and transmission equipment, Snowman has established strict design and procurement criteria and rigorous quality management systems.

Cost Performance

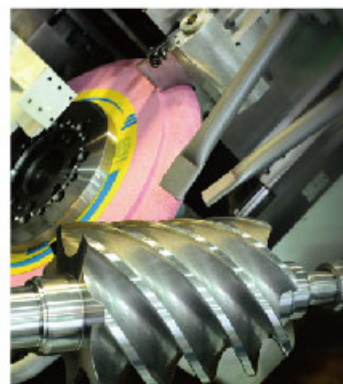
Snowman values partnerships with suppliers, engaging in suppliers' product development and technological revolutions to maintain the best quality and cost advantages, thus providing customers with optimal cost control solutions.

Intelligent Manufacturing



Rotor Milling

Advanced and multifunctional rotor miller, featuring high precision, large torque, online inspection, and intelligent processing.



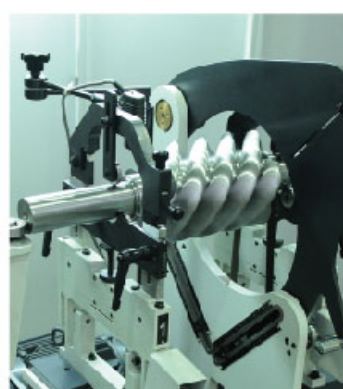
Rotor Grinding

Precision rotor grinding and processing equipment, with online intelligent detection, dynamic wheel trimming compensation, and automatic workpiece clamping ensures micron-level precision for the screw.



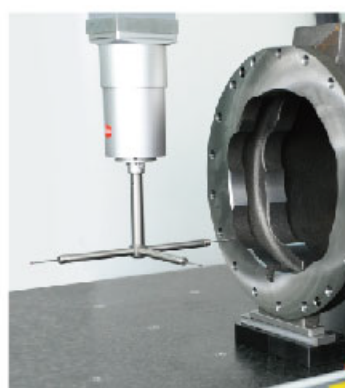
Three Coordinate Measurement

World-advanced three-coordinate measurement systems with large-capacity data storage. Scientific measurement methods, and strict quality control.



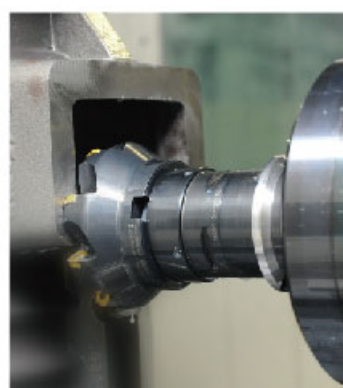
Dynamic Balancing Testing

Aerospace-grade dynamic balancing testing equipment ensures key control points and high quality.



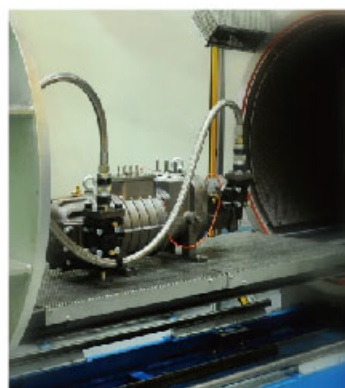
Casting Inspection

A complete quality system, covering self-inspection, mutual inspection, and spot inspection, ensures zero defects in products.



Body Casting Processing

Advanced coordinate boring machines and cutting-edge process technologies ensure stable product quality.



Helium Leakage Detection

An industry benchmark — all compressors and units undergo new process helium leakage detection to ensure zero refrigerant leakage of the compressor and unit.



Performance Testing Center

Full-performance and high-standard compressor and unit performance tests include multiple refrigerant tests, achieving international cloud-connected compressor performance testing control.

Application Cases



Natural gas purification project of an oil and gas field



Butadiene tank area project of a petrochemical company



Rubber project of a petrochemical company



CO2 liquefaction project of a petrochemical company



Polypropylene device of a petrochemical company



Integrated propylene and downstream deep processing project of a company

Application Cases



Polypropylene device of a petrochemical company



Propane dehydrogenation propylene manufacturing unit of a chemical company



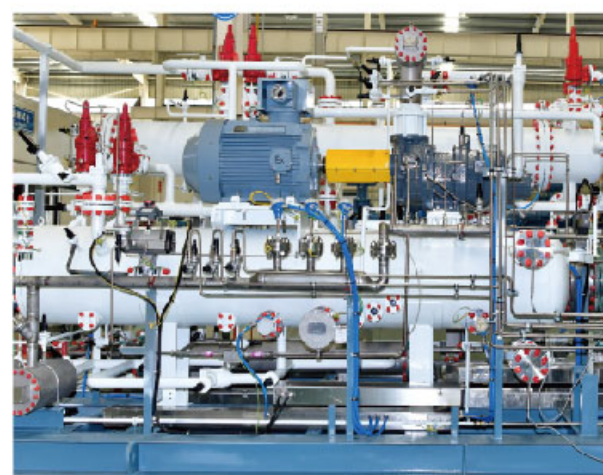
Refrigeration unit for cold hydrogenation device of a polycrystalline silicon project



Low-temperature cascade unit of a polycrystalline silicon project



Ethylene loading and cooling unit of a new material company



LDPE device unit of polyurethane project of a company



Refrigeration unit for a fluorine-containing new material project



Ammonia tank pressurization unit of a coal chemical project



Propane tank area unit of a new material company



Polypropylene device of a petrochemical company



Methyl acetate device unit of a coal chemical project



PBAT industry chain integration project of a company

Application Cases



PVC project in a China-assisted country



Natural gas processing and petrochemical integration project in a Russian company



IGCC distributed energy CCUS project of a company



Gas compressor unit of a PSA hydrogen extraction device of a petrochemical company



Natural gas liquefaction project of a company



Low-temperature cascade unit of a perfluoropolyether project