

Global Permanent Magnet Screw Compressor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Permanent Magnet Screw Compressor market size was valued at US\$ 3402 million in 2024 and is forecast to a readjusted size of USD 4523 million by 2031 with a CAGR of 4.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

The permanent magnet screw compressor is a high-efficiency and energy-saving air compression equipment. It uses a permanent magnet synchronous motor to drive the screw to rotate and compress the air into high-pressure gas by reducing the volume. Compared with traditional compressors, permanent magnet screw compressors have higher efficiency and lower energy consumption, while maintaining good stability when the rotational speed changes. In addition, its simple structure and few parts make maintenance more convenient.

Permanent magnet screw compressors are widely used in various industrial fields, such as automobiles, electronics, chemicals, etc., especially in factories and production lines that require large amounts of compressed air. They can provide stable and efficient compressed air to meet various process needs. Its efficient compression performance and stable and reliable operation characteristics significantly improve production efficiency.

In general, permanent magnet screw compressors have been widely used and

recognized in the industrial field due to their advantages of high efficiency, energy saving, stability, reliability, and easy maintenance. They are one of the indispensable and important equipment in modern industrial production.

This report is a detailed and comprehensive analysis for global Permanent Magnet Screw Compressor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Permanent Magnet Screw Compressor market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Permanent Magnet Screw Compressor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Permanent Magnet Screw Compressor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Permanent Magnet Screw Compressor market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Permanent Magnet Screw Compressor
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Permanent Magnet Screw Compressor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments.

Key companies covered as a part of this study include Atlas Copco, Ingersoll Rand, Hitachi - Sullair, KAESER, Fusheng, Hanbell Precise Machinery, Xiamen East Asia Machinery, Kaishan Air Compressor, BaoSi Energy Equipment, Xinlei Compressor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Permanent Magnet Screw Compressor market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Oil-Injected Type

Oil-Free Type

Market segment by Application

Mechanical Manufacturing

Electronic Manufacturing

Automobile Manufacturing

Chemical Industry

Textile Industry

Food Processing

Others

Major players covered

Atlas Copco

Ingersoll Rand

Hitachi - Sullair

KAESER

Fusheng

Hanbell Precise Machinery

Xiamen East Asia Machinery

Kaishan Air Compressor

BaoSi Energy Equipment

Xinlei Compressor

ELGi

Anest Iwata

Kobelco

BOGE

IHI

Mitsui Seiki

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Permanent Magnet Screw Compressor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Permanent Magnet Screw Compressor, with price, sales quantity, revenue, and global market share of Permanent Magnet Screw Compressor from 2020 to 2025.

Chapter 3, the Permanent Magnet Screw Compressor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Permanent Magnet Screw Compressor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Permanent Magnet Screw Compressor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Permanent Magnet Screw Compressor.

Chapter 14 and 15, to describe Permanent Magnet Screw Compressor sales channel, distributors, customers, research findings and conclusion.

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