

Screw Compressor Market Report by Type (Oil-Injected Screw Compressors, Oil-Free Screw Compressors), Technology (Stationary Screw Compressors, Portable Screw Compressors), Stage (Single-Stage Screw Compressors, Multi-Stage Screw Compressors), End-Use Industry (Oil and Gas, Chemicals and Petrochemicals, Food and Beverage, Automotive, Power Plants, Mining and Metals, and Others), and Region 2024-2032

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Abstracts

The global screw compressor market size reached US\$ 10.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 16.7 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032.

A screw compressor refers to a mechanical device that compresses air, liquids and gases using a screw-type motion. It is commonly used to provide compressed air to jackhammers, pneumatic pumps, sandblasting operations, industrial paint systems and riveting tools to ensure a continuous supply of compressed air with minimal fluctuations in the delivery pressure. The device majorly consists of concave and convex contour rotors, a casing, air filter, rubber seal, suction valve and delivery valve. In comparison to the traditionally used piston compressors, screw compressors can be used for high-power tools and heavy industrial applications without the requirement of high air pressure.

Rapid industrialization across the globe is one of the key factors driving the growth of the market. There is a widespread product adoption across various industries, including

chemical, petrochemical, metal, mining, automotive and oil and gas, as screw compressors deliver premium-quality compressed air with higher efficiencies. Furthermore, the growing demand for natural gas is also providing a boost to the market growth. Screw compressors are largely used for transferring gas, flare elimination and vapor recovery and can also operate under extreme weather conditions, thereby requiring minimal maintenance and reducing the overall operational costs. Various technological innovations, such as the development of energy-efficient and environment-friendly product variants, are acting as another major growth-inducing factor. Other factors, including an increasing product utilization by the food and beverage packaging sector, along with extensive research and development (R&D) activities, are projected to drive the market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global screw compressor market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, technology, stage and end-use industry.

Breakup by Type:

- Oil-Injected Screw Compressors
- Oil-Free Screw Compressors

Breakup by Technology:

- Stationary Screw Compressors
- Portable Screw Compressors

Breakup by Stage:

- Single-Stage Screw Compressors
- Multi-Stage Screw Compressors

Breakup by End-Use Industry:

- Oil and Gas
- Chemicals and Petrochemicals
- Food and Beverage
- Automotive

Power Plants
Mining and Metals
Others

Breakup by Region:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Atlas Copco, Bauer Kompressoren, Boge Kompressoren, GE Oil & Gas, Hitachi Ltd., Howden Group Ltd., Ingersoll Rand, Kaeser Kompressoren SE, Kobe Steel Ltd., Man SE, Siemens AG, Sullair LLC, etc.

Key Questions Answered in This Report

1. What is the global screw compressor market growth?
2. What are the global screw compressor market drivers?
3. What are the key industry trends in the global screw compressor market?
4. What is the impact of COVID-19 on the global screw compressor market?
5. What is the global screw compressor market breakup by technology?
6. What are the major regions in the global screw compressor market?
7. Who are the key companies/players in the global screw compressor market?

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