

Global Ball Screws 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 Ball Screws market size was valued at US\$ 2150 million in 2024 and is forecast to a readjusted size of USD 3200 million by 2031 with a CAGR of 5.9% during review period.

A ball screw is a mechanical linear actuator that translates rotational motion to linear motion with little friction. A threaded shaft provides a helical raceway for ball bearings which act as a precision screw. As well as being able to apply or withstand high thrust loads, they can do so with minimum internal friction. They are made to close tolerances and are therefore suitable for use in situations in which high precision is necessary.

Global key players of Ball Screws include THK, NSK, Hiwin, SKF, etc. The top four players hold a share over 47%. Asia-Pacific is the largest market, with a share about 61%, followed by Europe and North America, with share 23% and 15%, separately. In terms of product type, Internal Circulation Ballscrew is the largest segment, occupied for a share of 65%. In terms of application, Machine Tools and Injection Molding Machines is the largest, which has a share about 43 percent.

This report is a detailed and comprehensive analysis for global Ball Screws 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 Ball Screws market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

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

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

Global Ball Screws market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Ball Screws

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 Ball Screws 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 THK, NSK, Hiwin, SKF, Bosch Rexroth, Schaeffler, TBI MOTION, Tsubaki Nakashima, Kuroda, KSS, etc.

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

Market Segmentation

Ball Screws 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

Internal Circulation Ballscrew

External Circulation Ballscrew

Market segment by Application

Semiconductor and LCD Production Equipment

Machine Tools and Injection Molding Machines

Industrial Robot

Others

Major players covered

THK

NSK

Hiwin

SKF

Bosch Rexroth

Schaeffler

TBI MOTION

Tsubaki Nakashima

Kuroda

KSS

Nidec Sankyo

PMI

Yigong

Best Precision

ISSOKU

JTEKT Machine System

Altra Industrial Motion

Huazhu

Jiangsu Qijian Screw Rod

SBC

Qidong Haosen

TRCD

Hanjiang Machine Tool

OZAK

Donglai

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 Ball Screws product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Ball Screws, with price, sales quantity, revenue, and global market share of Ball Screws from 2020 to 2025.

Chapter 3, the Ball Screws competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Ball Screws 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 Ball Screws 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 Ball Screws.

Chapter 14 and 15, to describe Ball Screws sales channel, distributors, customers, research findings and conclusion.

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