

# Global Ball Screw for CNC Machine Market Research Report 2026(Status and Outlook)

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## Abstracts

A ball screw is a precision mechanical component that converts rotary motion into linear motion with minimal friction using recirculating ball bearings. In CNC (Computer Numerical Control) machines, ball screws are essential for delivering high-precision, smooth motion, and repeatability in machine tool operations such as milling, turning, grinding, and laser cutting. They ensure accurate positioning and high-speed movement of the machine's axes.

The global Ball Screw for CNC Machine market size was estimated at USD 4512.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 7.20% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Ball Screw for CNC Machine market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Ball Screw for CNC Machine market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced

understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Ball Screw for CNC Machine market.

### **Global Ball Screw for CNC Machine Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

THK  
NSK  
Hiwin  
Ewellix  
Bosch Rexroth  
PMI  
Nidec Sankyo  
TBI MOTION  
Tsubaki Nakashima  
Kuroda  
Altra Industrial Motion  
KSS Co.,Ltd.  
JTEKT Machine System  
ISSOKU  
Hanjiang Machine Tool  
Jiangsu Qijian Screw Rod  
NANJING Yigong

## **Market Segmentation (by Type)**

Precision Ball Screw  
Standard Rolled Ball Screw

## **Market Segmentation (by Application)**

CNC Milling Machine  
CNC Lathes and Turning Center  
CNC Grinding Machine  
CNC Laser Cutting and Engraving Machine  
CNC Plasma and Waterjet Cutting Machine  
Others

## **Geographic Segmentation**

North America (USA, Canada, Mexico)  
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)  
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)  
South America (Brazil, Argentina, Columbia, Rest of South America)  
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

## **Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study  
Neutral perspective on the market performance  
Recent industry trends and developments  
Competitive landscape & strategies of key players  
Potential & niche segments and regions exhibiting promising growth covered  
Historical, current, and projected market size, in terms of value  
In-depth analysis of the Ball Screw for CNC Machine Market  
Overview of the regional outlook of the Ball Screw for CNC Machine Market:

## **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Ball Screw for CNC Machine Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Ball Screw for CNC Machine, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

### **Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

### **Customization of the Report**

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## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

1.1 Market Definition and Statistical Scope of Ball Screw for CNC Machine

1.2 Key Market Segments

1.2.1 Ball Screw for CNC Machine Segment by Type

1.2.2 Ball Screw for CNC Machine Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

### **2 BALL SCREW FOR CNC MACHINE MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global Ball Screw for CNC Machine Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Ball Screw for CNC Machine Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 BALL SCREW FOR CNC MACHINE MARKET COMPETITIVE LANDSCAPE**

3.1 Company Assessment Quadrant

3.2 Global Ball Screw for CNC Machine Product Life Cycle

3.3 Global Ball Screw for CNC Machine Sales by Manufacturers (2020-2025)

3.4 Global Ball Screw for CNC Machine Revenue Market Share by Manufacturers (2020-2025)

3.5 Ball Screw for CNC Machine Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Ball Screw for CNC Machine Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Ball Screw for CNC Machine Market Competitive Situation and Trends

3.8.1 Ball Screw for CNC Machine Market Concentration Rate

3.8.2 Global 5 and 10 Largest Ball Screw for CNC Machine Players Market Share by Revenue

### 3.8.3 Mergers & Acquisitions, Expansion

## **4 BALL SCREW FOR CNC MACHINE INDUSTRY CHAIN ANALYSIS**

### 4.1 Ball Screw for CNC Machine Industry Chain Analysis

### 4.2 Market Overview of Key Raw Materials

### 4.3 Midstream Market Analysis

### 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF BALL SCREW FOR CNC MACHINE MARKET**

### 5.1 Key Development Trends

### 5.2 Driving Factors

### 5.3 Market Challenges

### 5.4 Industry News

#### 5.4.1 New Product Developments

#### 5.4.2 Mergers & Acquisitions

#### 5.4.3 Expansions

#### 5.4.4 Collaboration/Supply Contracts

### 5.5 PEST Analysis

#### 5.5.1 Industry Policies Analysis

#### 5.5.2 Economic Environment Analysis

#### 5.5.3 Social Environment Analysis

#### 5.5.4 Technological Environment Analysis

### 5.6 Global Ball Screw for CNC Machine Market Porter's Five Forces Analysis

#### 5.6.1 Global Trade Frictions

#### 5.6.2 U.S. Tariff Policy ? April 2025

#### 5.6.3 Global Trade Frictions and Their Impacts to Ball Screw for CNC Machine Market

### 5.7 ESG Ratings of Leading Companies

## **6 BALL SCREW FOR CNC MACHINE MARKET SEGMENTATION BY TYPE**

### 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

### 6.2 Global Ball Screw for CNC Machine Sales Market Share by Type (2020-2025)

### 6.3 Global Ball Screw for CNC Machine Market Size by Type (2020-2025)

### 6.4 Global Ball Screw for CNC Machine Price by Type (2020-2025)

## **7 BALL SCREW FOR CNC MACHINE MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Ball Screw for CNC Machine Market Sales by Application (2020-2025)
- 7.3 Global Ball Screw for CNC Machine Market Size (M USD) by Application (2020-2025)
- 7.4 Global Ball Screw for CNC Machine Sales Growth Rate by Application (2020-2025)

## **8 BALL SCREW FOR CNC MACHINE MARKET SALES BY REGION**

- 8.1 Global Ball Screw for CNC Machine Sales by Region
  - 8.1.1 Global Ball Screw for CNC Machine Sales by Region
  - 8.1.2 Global Ball Screw for CNC Machine Sales Market Share by Region
- 8.2 Global Ball Screw for CNC Machine Market Size by Region
  - 8.2.1 Global Ball Screw for CNC Machine Market Size by Region
  - 8.2.2 Global Ball Screw for CNC Machine Market Size by Region
- 8.3 North America
  - 8.3.1 North America Ball Screw for CNC Machine Sales by Country
  - 8.3.2 North America Ball Screw for CNC Machine Market Size by Country
  - 8.3.3 U.S. Market Overview
  - 8.3.4 Canada Market Overview
  - 8.3.5 Mexico Market Overview
- 8.4 Europe
  - 8.4.1 Europe Ball Screw for CNC Machine Sales by Country
  - 8.4.2 Europe Ball Screw for CNC Machine Market Size by Country
  - 8.4.3 Germany Market Overview
  - 8.4.4 France Market Overview
  - 8.4.5 U.K. Market Overview
  - 8.4.6 Italy Market Overview
  - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
  - 8.5.1 Asia Pacific Ball Screw for CNC Machine Sales by Region
  - 8.5.2 Asia Pacific Ball Screw for CNC Machine Market Size by Region
  - 8.5.3 China Market Overview
  - 8.5.4 Japan Market Overview
  - 8.5.5 South Korea Market Overview
  - 8.5.6 India Market Overview
  - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
  - 8.6.1 South America Ball Screw for CNC Machine Sales by Country

- 8.6.2 South America Ball Screw for CNC Machine Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
  - 8.7.1 Middle East and Africa Ball Screw for CNC Machine Sales by Region
  - 8.7.2 Middle East and Africa Ball Screw for CNC Machine Market Size by Region
  - 8.7.3 Saudi Arabia Market Overview
  - 8.7.4 UAE Market Overview
  - 8.7.5 Egypt Market Overview
  - 8.7.6 Nigeria Market Overview
  - 8.7.7 South Africa Market Overview

## **9 BALL SCREW FOR CNC MACHINE MARKET PRODUCTION BY REGION**

- 9.1 Global Production of Ball Screw for CNC Machine by Region(2020-2025)
- 9.2 Global Ball Screw for CNC Machine Revenue Market Share by Region (2020-2025)
- 9.3 Global Ball Screw for CNC Machine Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Ball Screw for CNC Machine Production
  - 9.4.1 North America Ball Screw for CNC Machine Production Growth Rate (2020-2025)
  - 9.4.2 North America Ball Screw for CNC Machine Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Ball Screw for CNC Machine Production
  - 9.5.1 Europe Ball Screw for CNC Machine Production Growth Rate (2020-2025)
  - 9.5.2 Europe Ball Screw for CNC Machine Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Ball Screw for CNC Machine Production (2020-2025)
  - 9.6.1 Japan Ball Screw for CNC Machine Production Growth Rate (2020-2025)
  - 9.6.2 Japan Ball Screw for CNC Machine Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Ball Screw for CNC Machine Production (2020-2025)
  - 9.7.1 China Ball Screw for CNC Machine Production Growth Rate (2020-2025)
  - 9.7.2 China Ball Screw for CNC Machine Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

## 10.1 THK

- 10.1.1 THK Basic Information
- 10.1.2 THK Ball Screw for CNC Machine Product Overview
- 10.1.3 THK Ball Screw for CNC Machine Product Market Performance
- 10.1.4 THK Business Overview
- 10.1.5 THK SWOT Analysis
- 10.1.6 THK Recent Developments

## 10.2 NSK

- 10.2.1 NSK Basic Information
- 10.2.2 NSK Ball Screw for CNC Machine Product Overview
- 10.2.3 NSK Ball Screw for CNC Machine Product Market Performance
- 10.2.4 NSK Business Overview
- 10.2.5 NSK SWOT Analysis
- 10.2.6 NSK Recent Developments

## 10.3 Hiwin

- 10.3.1 Hiwin Basic Information
- 10.3.2 Hiwin Ball Screw for CNC Machine Product Overview
- 10.3.3 Hiwin Ball Screw for CNC Machine Product Market Performance
- 10.3.4 Hiwin Business Overview
- 10.3.5 Hiwin SWOT Analysis
- 10.3.6 Hiwin Recent Developments

## 10.4 Ewellix

- 10.4.1 Ewellix Basic Information
- 10.4.2 Ewellix Ball Screw for CNC Machine Product Overview
- 10.4.3 Ewellix Ball Screw for CNC Machine Product Market Performance
- 10.4.4 Ewellix Business Overview
- 10.4.5 Ewellix Recent Developments

## 10.5 Bosch Rexroth

- 10.5.1 Bosch Rexroth Basic Information
- 10.5.2 Bosch Rexroth Ball Screw for CNC Machine Product Overview
- 10.5.3 Bosch Rexroth Ball Screw for CNC Machine Product Market Performance
- 10.5.4 Bosch Rexroth Business Overview
- 10.5.5 Bosch Rexroth Recent Developments

## 10.6 PMI

- 10.6.1 PMI Basic Information
- 10.6.2 PMI Ball Screw for CNC Machine Product Overview
- 10.6.3 PMI Ball Screw for CNC Machine Product Market Performance
- 10.6.4 PMI Business Overview
- 10.6.5 PMI Recent Developments

## 10.7 Nidec Sankyo

10.7.1 Nidec Sankyo Basic Information

10.7.2 Nidec Sankyo Ball Screw for CNC Machine Product Overview

10.7.3 Nidec Sankyo Ball Screw for CNC Machine Product Market Performance

10.7.4 Nidec Sankyo Business Overview

10.7.5 Nidec Sankyo Recent Developments

## 10.8 TBI MOTION

10.8.1 TBI MOTION Basic Information

10.8.2 TBI MOTION Ball Screw for CNC Machine Product Overview

10.8.3 TBI MOTION Ball Screw for CNC Machine Product Market Performance

10.8.4 TBI MOTION Business Overview

10.8.5 TBI MOTION Recent Developments

## 10.9 Tsubaki Nakashima

10.9.1 Tsubaki Nakashima Basic Information

10.9.2 Tsubaki Nakashima Ball Screw for CNC Machine Product Overview

10.9.3 Tsubaki Nakashima Ball Screw for CNC Machine Product Market Performance

10.9.4 Tsubaki Nakashima Business Overview

10.9.5 Tsubaki Nakashima Recent Developments

## 10.10 Kuroda

10.10.1 Kuroda Basic Information

10.10.2 Kuroda Ball Screw for CNC Machine Product Overview

10.10.3 Kuroda Ball Screw for CNC Machine Product Market Performance

10.10.4 Kuroda Business Overview

10.10.5 Kuroda Recent Developments

## 10.11 Altra Industrial Motion

10.11.1 Altra Industrial Motion Basic Information

10.11.2 Altra Industrial Motion Ball Screw for CNC Machine Product Overview

10.11.3 Altra Industrial Motion Ball Screw for CNC Machine Product Market

Performance

10.11.4 Altra Industrial Motion Business Overview

10.11.5 Altra Industrial Motion Recent Developments

## 10.12 KSS Co.,Ltd.

10.12.1 KSS Co.,Ltd. Basic Information

10.12.2 KSS Co.,Ltd. Ball Screw for CNC Machine Product Overview

10.12.3 KSS Co.,Ltd. Ball Screw for CNC Machine Product Market Performance

10.12.4 KSS Co.,Ltd. Business Overview

10.12.5 KSS Co.,Ltd. Recent Developments

## 10.13 JTEKT Machine System

10.13.1 JTEKT Machine System Basic Information

- 10.13.2 JTEKT Machine System Ball Screw for CNC Machine Product Overview
- 10.13.3 JTEKT Machine System Ball Screw for CNC Machine Product Market Performance
- 10.13.4 JTEKT Machine System Business Overview
- 10.13.5 JTEKT Machine System Recent Developments
- 10.14 ISSOKU
  - 10.14.1 ISSOKU Basic Information
  - 10.14.2 ISSOKU Ball Screw for CNC Machine Product Overview
  - 10.14.3 ISSOKU Ball Screw for CNC Machine Product Market Performance
  - 10.14.4 ISSOKU Business Overview
  - 10.14.5 ISSOKU Recent Developments
- 10.15 Hanjiang Machine Tool
  - 10.15.1 Hanjiang Machine Tool Basic Information
  - 10.15.2 Hanjiang Machine Tool Ball Screw for CNC Machine Product Overview
  - 10.15.3 Hanjiang Machine Tool Ball Screw for CNC Machine Product Market Performance
  - 10.15.4 Hanjiang Machine Tool Business Overview
  - 10.15.5 Hanjiang Machine Tool Recent Developments
- 10.16 Jiangsu Qijian Screw Rod
  - 10.16.1 Jiangsu Qijian Screw Rod Basic Information
  - 10.16.2 Jiangsu Qijian Screw Rod Ball Screw for CNC Machine Product Overview
  - 10.16.3 Jiangsu Qijian Screw Rod Ball Screw for CNC Machine Product Market Performance
  - 10.16.4 Jiangsu Qijian Screw Rod Business Overview
  - 10.16.5 Jiangsu Qijian Screw Rod Recent Developments
- 10.17 NANJING Yigong
  - 10.17.1 NANJING Yigong Basic Information
  - 10.17.2 NANJING Yigong Ball Screw for CNC Machine Product Overview
  - 10.17.3 NANJING Yigong Ball Screw for CNC Machine Product Market Performance
  - 10.17.4 NANJING Yigong Business Overview
  - 10.17.5 NANJING Yigong Recent Developments

## **11 BALL SCREW FOR CNC MACHINE MARKET FORECAST BY REGION**

- 11.1 Global Ball Screw for CNC Machine Market Size Forecast
- 11.2 Global Ball Screw for CNC Machine Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe Ball Screw for CNC Machine Market Size Forecast by Country
  - 11.2.3 Asia Pacific Ball Screw for CNC Machine Market Size Forecast by Region

- 11.2.4 South America Ball Screw for CNC Machine Market Size Forecast by Country
- 11.2.5 Middle East and Africa Forecasted Sales of Ball Screw for CNC Machine by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)**

- 12.1 Global Ball Screw for CNC Machine Market Forecast by Type (2026-2035)
  - 12.1.1 Global Forecasted Sales of Ball Screw for CNC Machine by Type (2026-2035)
  - 12.1.2 Global Ball Screw for CNC Machine Market Size Forecast by Type (2026-2035)
  - 12.1.3 Global Forecasted Price of Ball Screw for CNC Machine by Type (2026-2035)
- 12.2 Global Ball Screw for CNC Machine Market Forecast by Application (2026-2035)
  - 12.2.1 Global Ball Screw for CNC Machine Sales (K Units) Forecast by Application
  - 12.2.2 Global Ball Screw for CNC Machine Market Size (M USD) Forecast by Application (2026-2035)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Ball Screw for CNC Machine Market Size by Type (M USD)

Table 4. Global Ball Screw for CNC Machine Market Size by Application

Table 5. Ball Screw for CNC Machine Market Size Comparison by Region (M USD)

Table 6. Global Ball Screw for CNC Machine Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Ball Screw for CNC Machine Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Ball Screw for CNC Machine Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Ball Screw for CNC Machine Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Ball Screw for CNC Machine as of 2025)

Table 11. Global Market Ball Screw for CNC Machine Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Ball Screw for CNC Machine Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Ball Screw for CNC Machine Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Ball Screw for CNC Machine Sales by Type (K Units)

Table 27. Global Ball Screw for CNC Machine Market Size by Type (M USD)

- Table 28. Global Ball Screw for CNC Machine Sales (K Units) by Type (2020-2025)
- Table 29. Global Ball Screw for CNC Machine Sales Market Share by Type (2020-2025)
- Table 30. Global Ball Screw for CNC Machine Market Size (M USD) by Type (2020-2025)
- Table 31. Global Ball Screw for CNC Machine Market Share by Type (2020-2025)
- Table 32. Global Ball Screw for CNC Machine Price (USD/Unit) by Type (2020-2025)
- Table 33. Global Ball Screw for CNC Machine Sales (K Units) by Application
- Table 34. Global Ball Screw for CNC Machine Market Size by Application
- Table 35. Global Ball Screw for CNC Machine Sales by Application (2020-2025) & (K Units)
- Table 36. Global Ball Screw for CNC Machine Sales Market Share by Application (2020-2025)
- Table 37. Global Ball Screw for CNC Machine Market Size by Application (2020-2025) & (M USD)
- Table 38. Global Ball Screw for CNC Machine Market Share by Application (2020-2025)
- Table 39. Global Ball Screw for CNC Machine Sales Growth Rate by Application (2020-2025)
- Table 40. Global Ball Screw for CNC Machine Sales by Region (2020-2025) & (K Units)
- Table 41. Global Ball Screw for CNC Machine Sales Market Share by Region (2020-2025)
- Table 42. Global Ball Screw for CNC Machine Market Size by Region (2020-2025) & (M USD)
- Table 43. Global Ball Screw for CNC Machine Market Size by Region (2020-2025)
- Table 44. North America Ball Screw for CNC Machine Sales by Country (2020-2025) & (K Units)
- Table 45. North America Ball Screw for CNC Machine Market Size by Country (2020-2025) & (M USD)
- Table 46. Europe Ball Screw for CNC Machine Sales by Country (2020-2025) & (K Units)
- Table 47. Europe Ball Screw for CNC Machine Market Size by Country (2020-2025) & (M USD)
- Table 48. Asia Pacific Ball Screw for CNC Machine Sales by Region (2020-2025) & (K Units)
- Table 49. Asia Pacific Ball Screw for CNC Machine Market Size by Region (2020-2025) & (M USD)
- Table 50. South America Ball Screw for CNC Machine Sales by Country (2020-2025) & (K Units)
- Table 51. South America Ball Screw for CNC Machine Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Ball Screw for CNC Machine Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Ball Screw for CNC Machine Market Size by Region (2020-2025) & (M USD)

Table 54. Global Ball Screw for CNC Machine Production (K Units) by Region(2020-2025)

Table 55. Global Ball Screw for CNC Machine Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Ball Screw for CNC Machine Revenue Market Share by Region (2020-2025)

Table 57. Global Ball Screw for CNC Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Ball Screw for CNC Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Ball Screw for CNC Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Ball Screw for CNC Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Ball Screw for CNC Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. THK Basic Information

Table 63. THK Ball Screw for CNC Machine Product Overview

Table 64. THK Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. THK Business Overview

Table 66. THK SWOT Analysis

Table 67. THK Recent Developments

Table 68. NSK Basic Information

Table 69. NSK Ball Screw for CNC Machine Product Overview

Table 70. NSK Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. NSK Business Overview

Table 72. NSK SWOT Analysis

Table 73. NSK Recent Developments

Table 74. Hiwin Basic Information

Table 75. Hiwin Ball Screw for CNC Machine Product Overview

Table 76. Hiwin Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. Hiwin Business Overview

- Table 78. Hiwin SWOT Analysis
- Table 79. Hiwin Recent Developments
- Table 80. Ewellix Basic Information
- Table 81. Ewellix Ball Screw for CNC Machine Product Overview
- Table 82. Ewellix Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. Ewellix Business Overview
- Table 84. Ewellix Recent Developments
- Table 85. Bosch Rexroth Basic Information
- Table 86. Bosch Rexroth Ball Screw for CNC Machine Product Overview
- Table 87. Bosch Rexroth Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. Bosch Rexroth Business Overview
- Table 89. Bosch Rexroth Recent Developments
- Table 90. PMI Basic Information
- Table 91. PMI Ball Screw for CNC Machine Product Overview
- Table 92. PMI Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. PMI Business Overview
- Table 94. PMI Recent Developments
- Table 95. Nidec Sankyo Basic Information
- Table 96. Nidec Sankyo Ball Screw for CNC Machine Product Overview
- Table 97. Nidec Sankyo Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. Nidec Sankyo Business Overview
- Table 99. Nidec Sankyo Recent Developments
- Table 100. TBI MOTION Basic Information
- Table 101. TBI MOTION Ball Screw for CNC Machine Product Overview
- Table 102. TBI MOTION Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. TBI MOTION Business Overview
- Table 104. TBI MOTION Recent Developments
- Table 105. Tsubaki Nakashima Basic Information
- Table 106. Tsubaki Nakashima Ball Screw for CNC Machine Product Overview
- Table 107. Tsubaki Nakashima Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 108. Tsubaki Nakashima Business Overview
- Table 109. Tsubaki Nakashima Recent Developments
- Table 110. Kuroda Basic Information

- Table 111. Kuroda Ball Screw for CNC Machine Product Overview
- Table 112. Kuroda Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 113. Kuroda Business Overview
- Table 114. Kuroda Recent Developments
- Table 115. Altra Industrial Motion Basic Information
- Table 116. Altra Industrial Motion Ball Screw for CNC Machine Product Overview
- Table 117. Altra Industrial Motion Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 118. Altra Industrial Motion Business Overview
- Table 119. Altra Industrial Motion Recent Developments
- Table 120. KSS Co.,Ltd. Basic Information
- Table 121. KSS Co.,Ltd. Ball Screw for CNC Machine Product Overview
- Table 122. KSS Co.,Ltd. Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 123. KSS Co.,Ltd. Business Overview
- Table 124. KSS Co.,Ltd. Recent Developments
- Table 125. JTEKT Machine System Basic Information
- Table 126. JTEKT Machine System Ball Screw for CNC Machine Product Overview
- Table 127. JTEKT Machine System Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 128. JTEKT Machine System Business Overview
- Table 129. JTEKT Machine System Recent Developments
- Table 130. ISSOKU Basic Information
- Table 131. ISSOKU Ball Screw for CNC Machine Product Overview
- Table 132. ISSOKU Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 133. ISSOKU Business Overview
- Table 134. ISSOKU Recent Developments
- Table 135. Hanjiang Machine Tool Basic Information
- Table 136. Hanjiang Machine Tool Ball Screw for CNC Machine Product Overview
- Table 137. Hanjiang Machine Tool Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 138. Hanjiang Machine Tool Business Overview
- Table 139. Hanjiang Machine Tool Recent Developments
- Table 140. Jiangsu Qijian Screw Rod Basic Information
- Table 141. Jiangsu Qijian Screw Rod Ball Screw for CNC Machine Product Overview
- Table 142. Jiangsu Qijian Screw Rod Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 143. Jiangsu Qijian Screw Rod Business Overview
- Table 144. Jiangsu Qijian Screw Rod Recent Developments
- Table 145. NANJING Yigong Basic Information
- Table 146. NANJING Yigong Ball Screw for CNC Machine Product Overview
- Table 147. NANJING Yigong Ball Screw for CNC Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 148. NANJING Yigong Business Overview
- Table 149. NANJING Yigong Recent Developments
- Table 150. Global Ball Screw for CNC Machine Sales Forecast by Region (2026-2035) & (K Units)
- Table 151. Global Ball Screw for CNC Machine Market Size Forecast by Region (2026-2035) & (M USD)
- Table 152. North America Ball Screw for CNC Machine Sales Forecast by Country (2026-2035) & (K Units)
- Table 153. North America Ball Screw for CNC Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 154. Europe Ball Screw for CNC Machine Sales Forecast by Country (2026-2035) & (K Units)
- Table 155. Europe Ball Screw for CNC Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 156. Asia Pacific Ball Screw for CNC Machine Sales Forecast by Region (2026-2035) & (K Units)
- Table 157. Asia Pacific Ball Screw for CNC Machine Market Size Forecast by Region (2026-2035) & (M USD)
- Table 158. South America Ball Screw for CNC Machine Sales Forecast by Country (2026-2035) & (K Units)
- Table 159. South America Ball Screw for CNC Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 160. Middle East and Africa Ball Screw for CNC Machine Sales Forecast by Country (2026-2035) & (Units)
- Table 161. Middle East and Africa Ball Screw for CNC Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 162. Global Ball Screw for CNC Machine Sales Forecast by Type (2026-2035) & (K Units)
- Table 163. Global Ball Screw for CNC Machine Market Size Forecast by Type (2026-2035) & (M USD)
- Table 164. Global Ball Screw for CNC Machine Price Forecast by Type (2026-2035) & (USD/Unit)
- Table 165. Global Ball Screw for CNC Machine Sales (K Units) Forecast by Application

(2026-2035)

Table 166. Global Ball Screw for CNC Machine Market Size Forecast by Application  
(2026-2035) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Ball Screw for CNC Machine
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Ball Screw for CNC Machine Market Size (M USD), 2025-2035
- Figure 5. Global Ball Screw for CNC Machine Market Size (M USD) (2020-2035)
- Figure 6. Global Ball Screw for CNC Machine Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Ball Screw for CNC Machine Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Ball Screw for CNC Machine Product Life Cycle
- Figure 13. Ball Screw for CNC Machine Sales Share by Manufacturers in 2025
- Figure 14. Global Ball Screw for CNC Machine Revenue Share by Manufacturers in 2025
- Figure 15. Ball Screw for CNC Machine Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Ball Screw for CNC Machine Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Ball Screw for CNC Machine Revenue in 2025
- Figure 18. Industry Chain Map of Ball Screw for CNC Machine
- Figure 19. Global Ball Screw for CNC Machine Market PEST Analysis
- Figure 20. Global Ball Screw for CNC Machine Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Ball Screw for CNC Machine Market Share by Type
- Figure 27. Sales Market Share of Ball Screw for CNC Machine by Type (2020-2025)
- Figure 28. Sales Market Share of Ball Screw for CNC Machine by Type in 2025
- Figure 29. Market Share of Ball Screw for CNC Machine by Type (2020-2025)
- Figure 30. Market Share of Ball Screw for CNC Machine by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

- Figure 32. Global Ball Screw for CNC Machine Market Share by Application
- Figure 33. Global Ball Screw for CNC Machine Sales Market Share by Application (2020-2025)
- Figure 34. Global Ball Screw for CNC Machine Sales Market Share by Application in 2025
- Figure 35. Global Ball Screw for CNC Machine Market Share by Application (2020-2025)
- Figure 36. Global Ball Screw for CNC Machine Market Share by Application in 2025
- Figure 37. Global Ball Screw for CNC Machine Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Ball Screw for CNC Machine Sales Market Share by Region (2020-2025)
- Figure 39. Global Ball Screw for CNC Machine Market Size by Region (2020-2025)
- Figure 40. North America Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Ball Screw for CNC Machine Sales Market Share by Country in 2024
- Figure 43. North America Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Ball Screw for CNC Machine Market Size by Country in 2024
- Figure 45. U.S. Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Ball Screw for CNC Machine Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Ball Screw for CNC Machine Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Ball Screw for CNC Machine Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Ball Screw for CNC Machine Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)
- Figure 52. Europe Ball Screw for CNC Machine Sales Market Share by Country in 2024
- Figure 53. Europe Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Ball Screw for CNC Machine Market Size by Country in 2024

Figure 55. Germany Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Ball Screw for CNC Machine Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Ball Screw for CNC Machine Sales Market Share by Region in 2024

Figure 67. Asia Pacific Ball Screw for CNC Machine Market Size by Region in 2024

Figure 68. China Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Ball Screw for CNC Machine Sales and Growth Rate (K Units)

Figure 79. South America Ball Screw for CNC Machine Sales Market Share by Country in 2024

Figure 80. South America Ball Screw for CNC Machine Market Size and Growth Rate (M USD)

Figure 81. South America Ball Screw for CNC Machine Market Size by Country in 2024

Figure 82. Brazil Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Ball Screw for CNC Machine Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Ball Screw for CNC Machine Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Ball Screw for CNC Machine Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Ball Screw for CNC Machine Market Size by Region in 2024

Figure 92. Saudi Arabia Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Ball Screw for CNC Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Ball Screw for CNC Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Ball Screw for CNC Machine Production Market Share by Region (2020-2025)

Figure 103. North America Ball Screw for CNC Machine Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Ball Screw for CNC Machine Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Ball Screw for CNC Machine Production (K Units) Growth Rate (2020-2025)

Figure 106. China Ball Screw for CNC Machine Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Ball Screw for CNC Machine Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Ball Screw for CNC Machine Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Ball Screw for CNC Machine Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Ball Screw for CNC Machine Market Share Forecast by Type (2026-2035)

Figure 111. Global Ball Screw for CNC Machine Sales Forecast by Application (2026-2035)

Figure 112. Global Ball Screw for CNC Machine Market Share Forecast by Application (2026-2035)

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