

# Global High Precision Planetary Roller Screw Market Research Report 2026(Status and Outlook)

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## Abstracts

High Precision Planetary Roller Screw is a type of mechanical linear actuator that converts rotary motion into linear motion with high efficiency and accuracy. It is designed to handle high loads and provide precise motion control, making it ideal for applications requiring fine adjustments and high-performance capabilities. The system consists of a roller screw, a set of planetary rollers, and a nut that enables smooth and stable motion. The rollers are arranged in a planetary configuration, distributing the load evenly across the contact points, which significantly reduces friction and wear compared to traditional ball screws. This results in a longer lifespan, greater load capacity, and higher positioning accuracy.

The global High Precision Planetary Roller Screw market size was estimated at USD 627.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 4.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global High Precision Planetary Roller Screw 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 High

Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw market.

### **Global High Precision Planetary Roller Screw 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**

Rollvis  
Moog  
KGG Robots  
Ewellix  
ALT  
Nook Industries  
Tolomatic  
GSA  
KOFON Motion Group  
Creative Motion Control  
CHUAN HONG PRECISION TOOL  
ALM

Lim-Tec

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

Inverted Type  
Recirculating Type  
Others

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

Aerospace  
Robotics  
Automobile  
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 High Precision Planetary Roller Screw Market

Overview of the regional outlook of the High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw, 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**

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

## Contents

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

- 1.1 Market Definition and Statistical Scope of High Precision Planetary Roller Screw
- 1.2 Key Market Segments
  - 1.2.1 High Precision Planetary Roller Screw Segment by Type
  - 1.2.2 High Precision Planetary Roller Screw 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 HIGH PRECISION PLANETARY ROLLER SCREW MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global High Precision Planetary Roller Screw Market Size (M USD) Estimates and Forecasts (2020-2035)
  - 2.1.2 Global High Precision Planetary Roller Screw Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 HIGH PRECISION PLANETARY ROLLER SCREW MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global High Precision Planetary Roller Screw Product Life Cycle
- 3.3 Global High Precision Planetary Roller Screw Sales by Manufacturers (2020-2025)
- 3.4 Global High Precision Planetary Roller Screw Revenue Market Share by Manufacturers (2020-2025)
- 3.5 High Precision Planetary Roller Screw Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global High Precision Planetary Roller Screw Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 High Precision Planetary Roller Screw Market Competitive Situation and Trends

- 3.8.1 High Precision Planetary Roller Screw Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest High Precision Planetary Roller Screw Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

#### **4 HIGH PRECISION PLANETARY ROLLER SCREW INDUSTRY CHAIN ANALYSIS**

- 4.1 High Precision Planetary Roller Screw 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 HIGH PRECISION PLANETARY ROLLER SCREW 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 High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Market
- 5.7 ESG Ratings of Leading Companies

#### **6 HIGH PRECISION PLANETARY ROLLER SCREW MARKET SEGMENTATION BY TYPE**

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

6.2 Global High Precision Planetary Roller Screw Sales Market Share by Type (2020-2025)

6.3 Global High Precision Planetary Roller Screw Market Size by Type (2020-2025)

6.4 Global High Precision Planetary Roller Screw Price by Type (2020-2025)

## **7 HIGH PRECISION PLANETARY ROLLER SCREW MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global High Precision Planetary Roller Screw Market Sales by Application (2020-2025)

7.3 Global High Precision Planetary Roller Screw Market Size (M USD) by Application (2020-2025)

7.4 Global High Precision Planetary Roller Screw Sales Growth Rate by Application (2020-2025)

## **8 HIGH PRECISION PLANETARY ROLLER SCREW MARKET SALES BY REGION**

8.1 Global High Precision Planetary Roller Screw Sales by Region

8.1.1 Global High Precision Planetary Roller Screw Sales by Region

8.1.2 Global High Precision Planetary Roller Screw Sales Market Share by Region

8.2 Global High Precision Planetary Roller Screw Market Size by Region

8.2.1 Global High Precision Planetary Roller Screw Market Size by Region

8.2.2 Global High Precision Planetary Roller Screw Market Size by Region

8.3 North America

8.3.1 North America High Precision Planetary Roller Screw Sales by Country

8.3.2 North America High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Sales by Country

8.4.2 Europe High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Sales by Region
- 8.5.2 Asia Pacific High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Sales by Country
  - 8.6.2 South America High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Sales by Region
  - 8.7.2 Middle East and Africa High Precision Planetary Roller Screw 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 HIGH PRECISION PLANETARY ROLLER SCREW MARKET PRODUCTION BY REGION**

- 9.1 Global Production of High Precision Planetary Roller Screw by Region(2020-2025)
- 9.2 Global High Precision Planetary Roller Screw Revenue Market Share by Region (2020-2025)
- 9.3 Global High Precision Planetary Roller Screw Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America High Precision Planetary Roller Screw Production
  - 9.4.1 North America High Precision Planetary Roller Screw Production Growth Rate (2020-2025)
  - 9.4.2 North America High Precision Planetary Roller Screw Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe High Precision Planetary Roller Screw Production
  - 9.5.1 Europe High Precision Planetary Roller Screw Production Growth Rate (2020-2025)

9.5.2 Europe High Precision Planetary Roller Screw Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan High Precision Planetary Roller Screw Production (2020-2025)

9.6.1 Japan High Precision Planetary Roller Screw Production Growth Rate (2020-2025)

9.6.2 Japan High Precision Planetary Roller Screw Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China High Precision Planetary Roller Screw Production (2020-2025)

9.7.1 China High Precision Planetary Roller Screw Production Growth Rate (2020-2025)

9.7.2 China High Precision Planetary Roller Screw Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

10.1 Rollvis

10.1.1 Rollvis Basic Information

10.1.2 Rollvis High Precision Planetary Roller Screw Product Overview

10.1.3 Rollvis High Precision Planetary Roller Screw Product Market Performance

10.1.4 Rollvis Business Overview

10.1.5 Rollvis SWOT Analysis

10.1.6 Rollvis Recent Developments

10.2 Moog

10.2.1 Moog Basic Information

10.2.2 Moog High Precision Planetary Roller Screw Product Overview

10.2.3 Moog High Precision Planetary Roller Screw Product Market Performance

10.2.4 Moog Business Overview

10.2.5 Moog SWOT Analysis

10.2.6 Moog Recent Developments

10.3 KGG Robots

10.3.1 KGG Robots Basic Information

10.3.2 KGG Robots High Precision Planetary Roller Screw Product Overview

10.3.3 KGG Robots High Precision Planetary Roller Screw Product Market Performance

10.3.4 KGG Robots Business Overview

10.3.5 KGG Robots SWOT Analysis

10.3.6 KGG Robots Recent Developments

10.4 Ewellix

10.4.1 Ewellix Basic Information

- 10.4.2 Ewellix High Precision Planetary Roller Screw Product Overview
- 10.4.3 Ewellix High Precision Planetary Roller Screw Product Market Performance
- 10.4.4 Ewellix Business Overview
- 10.4.5 Ewellix Recent Developments
- 10.5 ALT
  - 10.5.1 ALT Basic Information
  - 10.5.2 ALT High Precision Planetary Roller Screw Product Overview
  - 10.5.3 ALT High Precision Planetary Roller Screw Product Market Performance
  - 10.5.4 ALT Business Overview
  - 10.5.5 ALT Recent Developments
- 10.6 Nook Industries
  - 10.6.1 Nook Industries Basic Information
  - 10.6.2 Nook Industries High Precision Planetary Roller Screw Product Overview
  - 10.6.3 Nook Industries High Precision Planetary Roller Screw Product Market Performance
  - 10.6.4 Nook Industries Business Overview
  - 10.6.5 Nook Industries Recent Developments
- 10.7 Tolomatic
  - 10.7.1 Tolomatic Basic Information
  - 10.7.2 Tolomatic High Precision Planetary Roller Screw Product Overview
  - 10.7.3 Tolomatic High Precision Planetary Roller Screw Product Market Performance
  - 10.7.4 Tolomatic Business Overview
  - 10.7.5 Tolomatic Recent Developments
- 10.8 GSA
  - 10.8.1 GSA Basic Information
  - 10.8.2 GSA High Precision Planetary Roller Screw Product Overview
  - 10.8.3 GSA High Precision Planetary Roller Screw Product Market Performance
  - 10.8.4 GSA Business Overview
  - 10.8.5 GSA Recent Developments
- 10.9 KOFON Motion Group
  - 10.9.1 KOFON Motion Group Basic Information
  - 10.9.2 KOFON Motion Group High Precision Planetary Roller Screw Product Overview
  - 10.9.3 KOFON Motion Group High Precision Planetary Roller Screw Product Market Performance
  - 10.9.4 KOFON Motion Group Business Overview
  - 10.9.5 KOFON Motion Group Recent Developments
- 10.10 Creative Motion Control
  - 10.10.1 Creative Motion Control Basic Information
  - 10.10.2 Creative Motion Control High Precision Planetary Roller Screw Product

## Overview

10.10.3 Creative Motion Control High Precision Planetary Roller Screw Product Market Performance

10.10.4 Creative Motion Control Business Overview

10.10.5 Creative Motion Control Recent Developments

## 10.11 CHUAN HONG PRECISION TOOL

10.11.1 CHUAN HONG PRECISION TOOL Basic Information

10.11.2 CHUAN HONG PRECISION TOOL High Precision Planetary Roller Screw Product Overview

10.11.3 CHUAN HONG PRECISION TOOL High Precision Planetary Roller Screw Product Market Performance

10.11.4 CHUAN HONG PRECISION TOOL Business Overview

10.11.5 CHUAN HONG PRECISION TOOL Recent Developments

## 10.12 ALM

10.12.1 ALM Basic Information

10.12.2 ALM High Precision Planetary Roller Screw Product Overview

10.12.3 ALM High Precision Planetary Roller Screw Product Market Performance

10.12.4 ALM Business Overview

10.12.5 ALM Recent Developments

## 10.13 Lim-Tec

10.13.1 Lim-Tec Basic Information

10.13.2 Lim-Tec High Precision Planetary Roller Screw Product Overview

10.13.3 Lim-Tec High Precision Planetary Roller Screw Product Market Performance

10.13.4 Lim-Tec Business Overview

10.13.5 Lim-Tec Recent Developments

## **11 HIGH PRECISION PLANETARY ROLLER SCREW MARKET FORECAST BY REGION**

11.1 Global High Precision Planetary Roller Screw Market Size Forecast

11.2 Global High Precision Planetary Roller Screw Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe High Precision Planetary Roller Screw Market Size Forecast by Country

11.2.3 Asia Pacific High Precision Planetary Roller Screw Market Size Forecast by Region

11.2.4 South America High Precision Planetary Roller Screw Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of High Precision Planetary Roller Screw by Country

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

12.1 Global High Precision Planetary Roller Screw Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of High Precision Planetary Roller Screw by Type (2026-2035)

12.1.2 Global High Precision Planetary Roller Screw Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of High Precision Planetary Roller Screw by Type (2026-2035)

12.2 Global High Precision Planetary Roller Screw Market Forecast by Application (2026-2035)

12.2.1 Global High Precision Planetary Roller Screw Sales (K Units) Forecast by Application

12.2.2 Global High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Market Size by Type (M USD)

Table 4. Global High Precision Planetary Roller Screw Market Size by Application

Table 5. High Precision Planetary Roller Screw Market Size Comparison by Region (M USD)

Table 6. Global High Precision Planetary Roller Screw Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global High Precision Planetary Roller Screw Sales Market Share by Manufacturers (2020-2025)

Table 8. Global High Precision Planetary Roller Screw Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global High Precision Planetary Roller Screw Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in High Precision Planetary Roller Screw as of 2025)

Table 11. Global Market High Precision Planetary Roller Screw Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global High Precision Planetary Roller Screw 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. High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Sales by Type (K Units)

Table 27. Global High Precision Planetary Roller Screw Market Size by Type (M USD)

Table 28. Global High Precision Planetary Roller Screw Sales (K Units) by Type (2020-2025)

Table 29. Global High Precision Planetary Roller Screw Sales Market Share by Type (2020-2025)

Table 30. Global High Precision Planetary Roller Screw Market Size (M USD) by Type (2020-2025)

Table 31. Global High Precision Planetary Roller Screw Market Share by Type (2020-2025)

Table 32. Global High Precision Planetary Roller Screw Price (USD/Unit) by Type (2020-2025)

Table 33. Global High Precision Planetary Roller Screw Sales (K Units) by Application

Table 34. Global High Precision Planetary Roller Screw Market Size by Application

Table 35. Global High Precision Planetary Roller Screw Sales by Application (2020-2025) & (K Units)

Table 36. Global High Precision Planetary Roller Screw Sales Market Share by Application (2020-2025)

Table 37. Global High Precision Planetary Roller Screw Market Size by Application (2020-2025) & (M USD)

Table 38. Global High Precision Planetary Roller Screw Market Share by Application (2020-2025)

Table 39. Global High Precision Planetary Roller Screw Sales Growth Rate by Application (2020-2025)

Table 40. Global High Precision Planetary Roller Screw Sales by Region (2020-2025) & (K Units)

Table 41. Global High Precision Planetary Roller Screw Sales Market Share by Region (2020-2025)

Table 42. Global High Precision Planetary Roller Screw Market Size by Region (2020-2025) & (M USD)

Table 43. Global High Precision Planetary Roller Screw Market Size by Region (2020-2025)

Table 44. North America High Precision Planetary Roller Screw Sales by Country (2020-2025) & (K Units)

Table 45. North America High Precision Planetary Roller Screw Market Size by Country (2020-2025) & (M USD)

Table 46. Europe High Precision Planetary Roller Screw Sales by Country (2020-2025) & (K Units)

Table 47. Europe High Precision Planetary Roller Screw Market Size by Country (2020-2025) & (M USD)

- Table 48. Asia Pacific High Precision Planetary Roller Screw Sales by Region (2020-2025) & (K Units)
- Table 49. Asia Pacific High Precision Planetary Roller Screw Market Size by Region (2020-2025) & (M USD)
- Table 50. South America High Precision Planetary Roller Screw Sales by Country (2020-2025) & (K Units)
- Table 51. South America High Precision Planetary Roller Screw Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa High Precision Planetary Roller Screw Sales by Region (2020-2025) & (K Units)
- Table 53. Middle East and Africa High Precision Planetary Roller Screw Market Size by Region (2020-2025) & (M USD)
- Table 54. Global High Precision Planetary Roller Screw Production (K Units) by Region(2020-2025)
- Table 55. Global High Precision Planetary Roller Screw Revenue (US\$ Million) by Region (2020-2025)
- Table 56. Global High Precision Planetary Roller Screw Revenue Market Share by Region (2020-2025)
- Table 57. Global High Precision Planetary Roller Screw Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 58. North America High Precision Planetary Roller Screw Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 59. Europe High Precision Planetary Roller Screw Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 60. Japan High Precision Planetary Roller Screw Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 61. China High Precision Planetary Roller Screw Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 62. Rollvis Basic Information
- Table 63. Rollvis High Precision Planetary Roller Screw Product Overview
- Table 64. Rollvis High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 65. Rollvis Business Overview
- Table 66. Rollvis SWOT Analysis
- Table 67. Rollvis Recent Developments
- Table 68. Moog Basic Information
- Table 69. Moog High Precision Planetary Roller Screw Product Overview
- Table 70. Moog High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 71. Moog Business Overview
- Table 72. Moog SWOT Analysis
- Table 73. Moog Recent Developments
- Table 74. KGG Robots Basic Information
- Table 75. KGG Robots High Precision Planetary Roller Screw Product Overview
- Table 76. KGG Robots High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. KGG Robots Business Overview
- Table 78. KGG Robots SWOT Analysis
- Table 79. KGG Robots Recent Developments
- Table 80. Ewellix Basic Information
- Table 81. Ewellix High Precision Planetary Roller Screw Product Overview
- Table 82. Ewellix High Precision Planetary Roller Screw 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. ALT Basic Information
- Table 86. ALT High Precision Planetary Roller Screw Product Overview
- Table 87. ALT High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. ALT Business Overview
- Table 89. ALT Recent Developments
- Table 90. Nook Industries Basic Information
- Table 91. Nook Industries High Precision Planetary Roller Screw Product Overview
- Table 92. Nook Industries High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Nook Industries Business Overview
- Table 94. Nook Industries Recent Developments
- Table 95. Tolomatic Basic Information
- Table 96. Tolomatic High Precision Planetary Roller Screw Product Overview
- Table 97. Tolomatic High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. Tolomatic Business Overview
- Table 99. Tolomatic Recent Developments
- Table 100. GSA Basic Information
- Table 101. GSA High Precision Planetary Roller Screw Product Overview
- Table 102. GSA High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. GSA Business Overview

Table 104. GSA Recent Developments

Table 105. KOFON Motion Group Basic Information

Table 106. KOFON Motion Group High Precision Planetary Roller Screw Product Overview

Table 107. KOFON Motion Group High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. KOFON Motion Group Business Overview

Table 109. KOFON Motion Group Recent Developments

Table 110. Creative Motion Control Basic Information

Table 111. Creative Motion Control High Precision Planetary Roller Screw Product Overview

Table 112. Creative Motion Control High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 113. Creative Motion Control Business Overview

Table 114. Creative Motion Control Recent Developments

Table 115. CHUAN HONG PRECISION TOOL Basic Information

Table 116. CHUAN HONG PRECISION TOOL High Precision Planetary Roller Screw Product Overview

Table 117. CHUAN HONG PRECISION TOOL High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 118. CHUAN HONG PRECISION TOOL Business Overview

Table 119. CHUAN HONG PRECISION TOOL Recent Developments

Table 120. ALM Basic Information

Table 121. ALM High Precision Planetary Roller Screw Product Overview

Table 122. ALM High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 123. ALM Business Overview

Table 124. ALM Recent Developments

Table 125. Lim-Tec Basic Information

Table 126. Lim-Tec High Precision Planetary Roller Screw Product Overview

Table 127. Lim-Tec High Precision Planetary Roller Screw Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 128. Lim-Tec Business Overview

Table 129. Lim-Tec Recent Developments

Table 130. Global High Precision Planetary Roller Screw Sales Forecast by Region (2026-2035) & (K Units)

Table 131. Global High Precision Planetary Roller Screw Market Size Forecast by Region (2026-2035) & (M USD)

Table 132. North America High Precision Planetary Roller Screw Sales Forecast by

Country (2026-2035) & (K Units)

Table 133. North America High Precision Planetary Roller Screw Market Size Forecast by Country (2026-2035) & (M USD)

Table 134. Europe High Precision Planetary Roller Screw Sales Forecast by Country (2026-2035) & (K Units)

Table 135. Europe High Precision Planetary Roller Screw Market Size Forecast by Country (2026-2035) & (M USD)

Table 136. Asia Pacific High Precision Planetary Roller Screw Sales Forecast by Region (2026-2035) & (K Units)

Table 137. Asia Pacific High Precision Planetary Roller Screw Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America High Precision Planetary Roller Screw Sales Forecast by Country (2026-2035) & (K Units)

Table 139. South America High Precision Planetary Roller Screw Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa High Precision Planetary Roller Screw Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa High Precision Planetary Roller Screw Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global High Precision Planetary Roller Screw Sales Forecast by Type (2026-2035) & (K Units)

Table 143. Global High Precision Planetary Roller Screw Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global High Precision Planetary Roller Screw Price Forecast by Type (2026-2035) & (USD/Unit)

Table 145. Global High Precision Planetary Roller Screw Sales (K Units) Forecast by Application (2026-2035)

Table 146. Global High Precision Planetary Roller Screw Market Size Forecast by Application (2026-2035) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of High Precision Planetary Roller Screw
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global High Precision Planetary Roller Screw Market Size (M USD), 2025-2035
- Figure 5. Global High Precision Planetary Roller Screw Market Size (M USD) (2020-2035)
- Figure 6. Global High Precision Planetary Roller Screw 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. High Precision Planetary Roller Screw Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global High Precision Planetary Roller Screw Product Life Cycle
- Figure 13. High Precision Planetary Roller Screw Sales Share by Manufacturers in 2025
- Figure 14. Global High Precision Planetary Roller Screw Revenue Share by Manufacturers in 2025
- Figure 15. High Precision Planetary Roller Screw Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market High Precision Planetary Roller Screw Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by High Precision Planetary Roller Screw Revenue in 2025
- Figure 18. Industry Chain Map of High Precision Planetary Roller Screw
- Figure 19. Global High Precision Planetary Roller Screw Market PEST Analysis
- Figure 20. Global High Precision Planetary Roller Screw 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 High Precision Planetary Roller Screw Market Share by Type
- Figure 27. Sales Market Share of High Precision Planetary Roller Screw by Type (2020-2025)

Figure 28. Sales Market Share of High Precision Planetary Roller Screw by Type in 2025

Figure 29. Market Share of High Precision Planetary Roller Screw by Type (2020-2025)

Figure 30. Market Share of High Precision Planetary Roller Screw by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global High Precision Planetary Roller Screw Market Share by Application

Figure 33. Global High Precision Planetary Roller Screw Sales Market Share by Application (2020-2025)

Figure 34. Global High Precision Planetary Roller Screw Sales Market Share by Application in 2025

Figure 35. Global High Precision Planetary Roller Screw Market Share by Application (2020-2025)

Figure 36. Global High Precision Planetary Roller Screw Market Share by Application in 2025

Figure 37. Global High Precision Planetary Roller Screw Sales Growth Rate by Application (2020-2025)

Figure 38. Global High Precision Planetary Roller Screw Sales Market Share by Region (2020-2025)

Figure 39. Global High Precision Planetary Roller Screw Market Size by Region (2020-2025)

Figure 40. North America High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America High Precision Planetary Roller Screw Sales Market Share by Country in 2024

Figure 43. North America High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America High Precision Planetary Roller Screw Market Size by Country in 2024

Figure 45. U.S. High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada High Precision Planetary Roller Screw Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada High Precision Planetary Roller Screw Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico High Precision Planetary Roller Screw Sales (Units) and Growth Rate

(2020-2025)

Figure 50. Mexico High Precision Planetary Roller Screw Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe High Precision Planetary Roller Screw Sales Market Share by Country in 2024

Figure 53. Europe High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe High Precision Planetary Roller Screw Market Size by Country in 2024

Figure 55. Germany High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific High Precision Planetary Roller Screw Sales and Growth Rate (K Units)

Figure 66. Asia Pacific High Precision Planetary Roller Screw Sales Market Share by Region in 2024

Figure 67. Asia Pacific High Precision Planetary Roller Screw Market Size by Region in 2024

Figure 68. China High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America High Precision Planetary Roller Screw Sales and Growth Rate (K Units)

Figure 79. South America High Precision Planetary Roller Screw Sales Market Share by Country in 2024

Figure 80. South America High Precision Planetary Roller Screw Market Size and Growth Rate (M USD)

Figure 81. South America High Precision Planetary Roller Screw Market Size by Country in 2024

Figure 82. Brazil High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa High Precision Planetary Roller Screw Sales and

Growth Rate (K Units)

Figure 89. Middle East and Africa High Precision Planetary Roller Screw Sales Market Share by Region in 2024

Figure 90. Middle East and Africa High Precision Planetary Roller Screw Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa High Precision Planetary Roller Screw Market Size by Region in 2024

Figure 92. Saudi Arabia High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa High Precision Planetary Roller Screw Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa High Precision Planetary Roller Screw Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global High Precision Planetary Roller Screw Production Market Share by Region (2020-2025)

Figure 103. North America High Precision Planetary Roller Screw Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe High Precision Planetary Roller Screw Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan High Precision Planetary Roller Screw Production (K Units) Growth Rate (2020-2025)

Figure 106. China High Precision Planetary Roller Screw Production (K Units) Growth Rate (2020-2025)

Figure 107. Global High Precision Planetary Roller Screw Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global High Precision Planetary Roller Screw Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global High Precision Planetary Roller Screw Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global High Precision Planetary Roller Screw Market Share Forecast by Type (2026-2035)

Figure 111. Global High Precision Planetary Roller Screw Sales Forecast by Application (2026-2035)

Figure 112. Global High Precision Planetary Roller Screw Market Share Forecast by Application (2026-2035)

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