

# Global Micro Planetary Roller Screw Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G768F9CFAF1EEN.html>

Date: June 2026

Pages: 140

Price: US\$ 3,480.00 (Single User License)

ID: G768F9CFAF1EEN

## Abstracts

According to our (Global Info Research) latest study, the global Micro Planetary Roller Screw market size was valued at US\$ 88.49 million in 2025 and is forecast to a readjusted size of US\$ 537 million by 2032 with a CAGR of 29.3% during review period.

Micro Planetary Roller Screw is a precision mechanical device that converts rotational motion into linear motion by planetarily arranging 6-12 threaded rollers around the main threaded screw, achieving high-precision micro-feed with small lead through optimized roller diameter and thread parameters while dispersing load through multi-contact point threaded engagement, thereby providing high load capacity, high stiffness, and long life in compact spaces while maintaining stable transmission characteristics of low vibration, low noise, and high responsiveness at micro scales. In 2025, global Micro Planetary Roller Screw production reached approximately 45.6 k units with an average global market price of around US\$1888 per unit.

This report is a detailed and comprehensive analysis for global Micro Planetary Roller Screw 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 Micro Planetary Roller Screw market size and forecasts, in consumption value (\$

Million), sales quantity (Units), and average selling prices (US\$/Unit),  
2021-2032

Global Micro Planetary Roller Screw market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Micro Planetary Roller Screw market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Micro Planetary Roller Screw market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

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 Micro Planetary Roller Screw

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 Micro Planetary Roller Screw 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 Schaeffler, Rollvis, GSA, Rexroth, Nook Industries, Moog, Curtiss-Wright (Exlar), Tolomatic, Creative Motion Control, Power Jacks, etc.

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

## Market Segmentation

Micro Planetary Roller Screw market is split by Type and by Application. For the period 2021-2032, 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

Standard Planetary Roller Screw

Reverse Planetary Roller Screw

Circulating Planetary Roller Screw

Bearing Ring Planetary Roller Screw

Differential Planetary Roller Screw

#### Market segment by Manufacturing Process

Grinding

Rolling

#### Market segment by Application

New Energy & 3C

Robot Dexterous Hand

Medical Equipment

Others

#### Major players covered

Schaeffler

Rollvis

GSA

Rexroth

Nook Industries

Moog

Curtiss-Wright (Exlar)

Tolomatic

Creative Motion Control

Power Jacks

Kugel Motion

U-Screws Precision

Kofon Transmission Equipment

Lim-Tec

Fangyuanming Technology

Nous Robot

Shanghai KGG

Nanjing Technology and Equipment Manufacturing

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 Micro Planetary Roller Screw product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Micro Planetary Roller Screw, with price, sales quantity, revenue, and global market share of Micro Planetary Roller Screw from 2021 to 2026.

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

Chapter 4, the Micro Planetary Roller Screw breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Micro Planetary Roller Screw market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Micro Planetary Roller Screw.

Chapter 14 and 15, to describe Micro Planetary Roller Screw sales channel, distributors, customers, research findings and conclusion.

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