

Global Micro Planetary Roller Screw Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G5670856E91AEN.html>

Date: June 2026

Pages: 153

Price: US\$ 4,480.00 (Single User License)

ID: G5670856E91AEN

Abstracts

The global Micro Planetary Roller Screw market size is expected to reach \$ 537 million by 2032, rising at a market growth of 29.3% CAGR during the forecast period (2026-2032).

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 studies the global Micro Planetary Roller Screw production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Micro Planetary Roller Screw and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Micro Planetary Roller Screw that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Micro Planetary Roller Screw total production and demand, 2021-2032, (Units)

Global Micro Planetary Roller Screw total production value, 2021-2032, (USD Million)

Global Micro Planetary Roller Screw production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Micro Planetary Roller Screw consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Micro Planetary Roller Screw domestic production, consumption, key domestic manufacturers and share

Global Micro Planetary Roller Screw production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Micro Planetary Roller Screw production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Micro Planetary Roller Screw production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Micro Planetary Roller Screw market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Micro Planetary Roller Screw market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Micro Planetary Roller Screw Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Micro Planetary Roller Screw Market, Segmentation by Type:

Standard Planetary Roller Screw

Reverse Planetary Roller Screw

Circulating Planetary Roller Screw

Bearing Ring Planetary Roller Screw

Differential Planetary Roller Screw

Global Micro Planetary Roller Screw Market, Segmentation by Manufacturing Process:

Grinding

Rolling

Global Micro Planetary Roller Screw Market, Segmentation by Application:

New Energy & 3C

Robot Dexterous Hand

Medical Equipment

Others

Companies Profiled:

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

Key Questions Answered:

1. How big is the global Micro Planetary Roller Screw market?
2. What is the demand of the global Micro Planetary Roller Screw market?
3. What is the year over year growth of the global Micro Planetary Roller Screw market?
4. What is the production and production value of the global Micro Planetary Roller Screw market?
5. Who are the key producers in the global Micro Planetary Roller Screw market?
6. What are the growth factors driving the market demand?

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