

Global Precision Planetary Gearbox Market Set For 8.4% Growth, Reaching \$3.80 Billion By 2029

The Business Research Company's Precision Planetary Gearbox Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, May 19, 2025

/EINPresswire.com/ -- The [precision planetary gearbox global market](#) is set

to experience a robust growth from \$2.53 billion in 2024 to \$2.75 billion in 2025 at a compound annual growth rate CAGR of 8.6%. The stellar rise can be attributed to increasing demand for high torque and accuracy, expansion of manufacturing and industrial sectors, miniaturization and compact design requirements, rapid industrialization in emerging economies, and growth in the renewable energy sector.



The Business Research Company's Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034

”

The Business Research Company

How Will The Precision Planetary Gearbox Market Perform In The Coming Years?

The market size for precision planetary gearboxes is expected to see a strong upward trajectory in the next few years. It is predicted to rise to \$3.80 billion in 2029 at a CAGR of 8.4%. The growth in the forecast period can be accredited to increasing automation and robotics adoption, rising demand for precise motion control, growth in industrial automation and manufacturing

sectors, expansion of automotive and aerospace industries, and increasing investments in infrastructure and construction. Major trends in the forecast period include a shift towards compact and lightweight gearboxes, integration of IoT and industry 4.0 technologies, technological advancements in gearbox design, adoption in industrial machinery, and adoption in medical equipment and devices.

Get Your Free Sample Market Report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=22111&type=smp>

The Business
Research Company

The Business Research Company



What is Driving The Growth Of The Precision Planetary Gearbox Market?

The growth of industrial automation is a significant driver propelling the growth of the precision planetary gearbox market forward. Industrial automation refers to the use of control systems such as computers, robots, and information technologies to handle various industrial processes and machinery, reducing human intervention. It aims to improve efficiency, consistency, and safety while lowering operational costs. The growing industrial automation is due to the need for higher productivity, cost efficiency, and enhanced precision. Automation is crucial in streamlining processes as businesses strive to meet increasing demand and reduce human error. Precision planetary gearboxes play a vital role in industrial automation by providing reliable and accurate motion control in automated systems. They enhance automated systems' performance, reliability, and accuracy, making them indispensable for modern industrial automation. For instance, in September 2023, according to the International Federation of Robotics, a Germany-based professional non-profit organization, there were 553,052 industrial robot installations in factories worldwide, marking a 5% year-on-year growth rate in 2022.

Who are the Key Industry Players In The Precision Planetary Gearbox Market?

The precision planetary gearbox market is driven by major players like ABB Ltd., Nidec Corporation, Delta Electronics Inc., Sumitomo Heavy Industries Ltd., SEW Eurodrive, Kollmorgen, Harmonic Drive LLC, WITTENSTEIN SE, Sango Automation Limited, Güdel Group AG, Renold Plc, Bonfiglioli Transmissions Private Limited, Neugart GmbH, Apexdynamics Inc., Maxon Motor, Santram Engineers P Limited, ATLANTA Drive Systems Inc., Assun Motors Pte Ltd., Newstart Motion, Hangzhou Ever-Power Transmission Co. Ltd., Shanghai Belon Machinery Co. Ltd., Zhangjiagang Haina Automation Equipment Co. Ltd., SMD Gearbox Co. Ltd.

Order Your Report Now For A Swift Delivery:

<https://www.thebusinessresearchcompany.com/report/precision-planetary-gearbox-global-market-report>

What Are Some Of The Emerging Trends in The Precision Planetary Gearbox Market?

Major developments abound in the precision planetary gearbox market as companies focus on developing advanced products, such as high-performance planetary gearboxes, to meet the growing demand for precision motion control. These high-performance planetary gearboxes are engineered for high torque, precision, and efficiency, minimizing backlash. With a compact design, durability, and superior load capacity, they are ideal for applications needing reliable motion control. For instance, in July 2024, Apex Dynamics, a Taiwan-based manufacturer of high-precision planetary gearboxes, launched its new MG/MGK and MGH/MGHK series planetary gearboxes. These new gearboxes are engineered to offer superior torque capacity, reduced backlash, and improved performance, making them ideal for use in robotics, automation, and

other high-precision systems. The MG/MGK and MGH/MGHK series are built to provide exceptional reliability and durability with enhanced power transmission capabilities, ensuring optimal efficiency and longevity in demanding environments.

How Is The [Precision Planetary Gearbox Market Segmented?](#)

The market has several segments and subsegments:

- 1 By Type: Planetary Gearboxes, Harmonic Gearboxes, Cycloidal Gearboxes, Parallel Shaft Gearboxes, Right Angle Gearboxes, Bevel Gearboxes
- 2 By Application: Robotics, Automotive, Machine Tools, Aerospace And Defense, Medical Equipment, Material Handling, Packaging Machinery, Others Applications
- 3 By Distribution Channel: Direct Sales, Distributors, Online Sales
- 4 By End-User: Residential, Commercial, Industrial

Subsegments:

- 1 Planetary Gearboxes: Inline Planetary Gearboxes, Right-Angle Planetary Gearboxes, Servo Planetary Gearboxes, High-Torque Planetary Gearboxes, Custom Planetary Gearboxes
- 2 Harmonic Gearboxes: Cup-Type Harmonic Gearboxes, Hat-Type Harmonic Gearboxes, Pancake-Type Harmonic Gearboxes, High-Torque Harmonic Gearboxes
- 3 Cycloidal Gearboxes: Single-Stage Cycloidal Gearboxes, Double-Stage Cycloidal Gearboxes, High-Precision Cycloidal Gearboxes, Compact Cycloidal Gearboxes
- 4 Parallel Shaft Gearboxes: Helical Parallel Shaft Gearboxes, Spur Gear Parallel Shaft Gearboxes, High-Torque Parallel Shaft Gearboxes, Compact Parallel Shaft Gearboxes
- 5 Right Angle Gearboxes: Bevel Gear Right Angle Gearboxes, Worm Gear Right Angle Gearboxes, Hypoid Right Angle Gearboxes, Spiral Bevel Right Angle Gearboxes
- 6 By Bevel Gearboxes: Straight Bevel Gearboxes, Spiral Bevel Gearboxes, Zerol Bevel Gearboxes, Hypoid Bevel Gearboxes

What Are The Regional Insights of The Precision Planetary Gearbox Market?

Asia-Pacific was the largest region in the precision planetary gearbox market in 2024. North America is expected to be the fastest-growing region in the forecast period. The regions covered in the report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

Browse For More Similar Reports-

Precision Farming Software Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/precision-farming-software-global-market-report>

Precision Gearbox Machinery Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/precision-gearbox-machinery-global-market-report>

High-Precision GNSS Receiver Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/high-precision-gnss-receiver-global-market-report>

[About The Business Research Company](#)

Browse Through More Similar Reports By The Business Research Company. The company boasts over 15000+ reports from 27 industries covering 60+ geographies. It ensures comprehensive, data-rich research and insights. Equipped with 1,500,000 datasets, contributions of in-depth secondary research, and unique insights from industry leaders, you can stay ahead in the game.

Contact us at:

The Business Research Company: <https://www.thebusinessresearchcompany.com/>

Americas +1 3156230293

Asia +44 2071930708

Europe +44 2071930708

Email us at info@tbrc.info

Follow us on:

LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

YouTube: https://www.youtube.com/channel/UC24_fI0rV8cR5DxICpgmyFQ

Global Market Model: <https://www.thebusinessresearchcompany.com/global-market-model>

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/813243305>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.