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Global Ball Screws for New Energy Vehicles Market Growth 2024-2030

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Abstracts

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The main function of the ball screw for new energy vehicles is power transmission. It does not require extremely high precision like the industrial screw. However, automotive screws must have the characteristics of high reliability, long life, smooth transmission performance, high temperature resistance, and low noise, and they do not need to be used in conjunction with guide rails in cars. Currently, parking, braking and steering systems are the main areas in automobiles where rolling functional components are used - especially roller screws.

The global Ball Screws for New Energy Vehicles market size is projected to grow from US$ 554 million in 2024 to US$ 2838 million in 2030; it is expected to grow at a CAGR of 31.3% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Ball Screws for New Energy Vehicles Industry Forecast” looks at past sales and reviews total world Ball Screws for New Energy Vehicles sales in 2023, providing a comprehensive analysis by region and market sector of projected Ball Screws for New Energy Vehicles sales for 2024 through 2030. With Ball Screws for New Energy Vehicles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Ball Screws for New Energy Vehicles industry.

This Insight Report provides a comprehensive analysis of the global Ball Screws for New Energy Vehicles landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with

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a focus on Ball Screws for New Energy Vehicles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Ball Screws for New Energy Vehicles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Ball Screws for New Energy Vehicles and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Ball Screws for New Energy Vehicles.

As environmental protection requirements become increasingly stringent, the automotive industry is accelerating its transformation towards electrification and autonomous driving, and the components included are gradually being replaced by electronic controls instead of hydraulics. Because the ball screw efficiently converts between rotational force and linear force, the power of the motor can be quickly used as braking force, achieving high-precision control. Brakes are often seen as devices that simply slow and stop motion, but electric brakes open up new possibilities, including controlling each tire independently. By discretely controlling the braking force applied to the vehicle's four tires, cornering performance can be greatly improved. Both EV and HEV use both regenerative and friction braking methods. Regenerative braking is a mechanism that achieves deceleration by converting the rotational force of an electric motor into electrical energy. If this 'energy regeneration' is fully utilized in friction braking control, the fuel efficiency of the car can be improved. Using ball screws for friction brakes can further improve the efficiency of energy regeneration and thereby improve braking performance.

This report presents a comprehensive overview, market shares, and growth opportunities of Ball Screws for New Energy Vehicles market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Circulating Ball Screw

Non-circulating Ball Screw

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Segmentation by Application:

- EV Vehicles
- Hybrid Vehicles

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe
  - Germany
  - France

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UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NSK

NTN

JTEKT

Cixing Group

Shenzhen Weiyuan Precision Technology

Hiwin

Key Questions Addressed in this Report

What is the 10-year outlook for the global Ball Screws for New Energy Vehicles market?

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What factors are driving Ball Screws for New Energy Vehicles market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Ball Screws for New Energy Vehicles market opportunities vary by end market size?

How does Ball Screws for New Energy Vehicles break out by Type, by Application?

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