

Global Cycloidal Gear Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G64B3107D413EN.html>

Date: May 2024

Pages: 127

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

ID: G64B3107D413EN

Abstracts

According to our (Global Info Research) latest study, the global Cycloidal Gear market size was valued at USD 1678.2 million in 2023 and is forecast to a readjusted size of USD 2113.5 million by 2030 with a CAGR of 3.3% during review period.

Gears can be grouped into eight categories:

1. Spur – trains and a wide range of velocity ratios;
2. Worm – high velocity ratio and high loads;
3. Helical – most applicable to high speeds and loads;
4. Planetary – produces different gear ratios;
5. Bevel – suitable for 1:1 and higher velocity ratios;
6. Traction – high speed reduction or multiplication, low vibration and excellent rotational accuracy;
7. Hypoid – motor vehicle drive trains;
8. Cycloidal – helps reducing speed.

A cycloidal gear profile is toothed gear that is based on the epicycloid and hypocycloid curves, which describe the curves created by a circle rolling around the inside and the outside of another circle correspondingly. Cycloidal gears are different from

conventional gears because they operate without high speed gear teeth and their components operate in compression.

As cycloidal gearing that has been broadly used in watch mechanisms and the Cycloidal Gearboxes (Drive or Cycloidal Gear speed Reducers). This report major focus on Cycloidal Gearboxes (Drive or Cycloidal Gear speed Reducers) market.

The top two manufacturers are Nabtesco and Sumitomo Drive Technologies. Each of production, respectively with global production market share as 56% and 10%. Other key manufacturers include Spinea, Wuhan Jinghua, ONVIO, Transmission Machinery, CDS Corporation, Six Star, KAPP NILES, Fixed Star Group, EGT Eppinger and Varitron.

The Global Info Research report includes an overview of the development of the Cycloidal Gear industry chain, the market status of Machine tools (Single Stage Cycloidal Gearing, Double-Stage Cycloidal Gearing), Industrial Robots (Single Stage Cycloidal Gearing, Double-Stage Cycloidal Gearing), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Cycloidal Gear.

Regionally, the report analyzes the Cycloidal Gear markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Cycloidal Gear market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Cycloidal Gear market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Cycloidal Gear industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Single Stage Cycloidal Gearing, Double-Stage Cycloidal Gearing).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Cycloidal Gear market.

Regional Analysis: The report involves examining the Cycloidal Gear market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Cycloidal Gear market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Cycloidal Gear:

Company Analysis: Report covers individual Cycloidal Gear manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Cycloidal Gear This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Machine tools, Industrial Robots).

Technology Analysis: Report covers specific technologies relevant to Cycloidal Gear. It assesses the current state, advancements, and potential future developments in Cycloidal Gear areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Cycloidal Gear market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Cycloidal Gear market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Single Stage Cycloidal Gearing

Double-Stage Cycloidal Gearing

Market segment by Application

Machine tools

Industrial Robots

Other (Automotive Systems, etc)

Major players covered

Nabtesco

Sumitomo Drive Technologies

Spinea

NIDEC

Wuhan Jinghua

ONVIO

Transmission Machinery

Six Star

KAPP NILES

Fixed Star Group

EGT Eppinger

Varitron

Cyclo Transmissions

Zhejiang Shuanghuan Driveline

Jiangsu Tailai Reducer

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 Cycloidal Gear product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cycloidal Gear, with price, sales, revenue and global market share of Cycloidal Gear from 2019 to 2024.

Chapter 3, the Cycloidal Gear competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cycloidal Gear breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Cycloidal Gear market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Cycloidal Gear.

Chapter 14 and 15, to describe Cycloidal Gear sales channel, distributors, customers, research findings and conclusion.

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