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Global Internal Cycloidal Gear Pump Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Internal Cycloidal Gear Pump market size was valued at US$ 620 million in 2025 and is forecast to a readjusted size of US$ 793 million by 2032 with a CAGR of 3.6% during review period.

The internal-meshing cycloidal gear pump (also known as a cycloidal rotor pump or Gerotor pump) is a positive-displacement pump that conveys fluid by utilizing the eccentric meshing of internal and external rotors to create varying sealed volumes. Comprising a drive gear and a driven gear, it is characterized by its compact structure, high rotational speed, low noise levels, minimal pulsation, and strong self-priming capabilities.

The upstream segment of the industry is primarily dominated by high-strength powder metallurgy materials, alloy steels, and high-precision machining equipment. Notably, the machining precision of the cycloidal tooth profiles on the internal and external rotors directly determines the pump's volumetric efficiency and noise levels; consequently, high-precision CNC grinding machines and powder metallurgy sintering processes constitute the core technological barriers. The midstream segment focuses on the R&D and assembly of the pump body, where the key competitive factors lie in tooth profile compensation design and the reliability of the sealing structure. By 2025, global sales volume is projected to reach the million-unit level, with market prices typically ranging between $300 and $1,400 per unit. The industry's gross profit margin falls within the range of 15% to 25%.

This report is a detailed and comprehensive analysis for global Internal Cycloidal Gear Pump market. Both quantitative and qualitative analyses are presented by

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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 Internal Cycloidal Gear Pump market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Internal Cycloidal Gear Pump market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Internal Cycloidal Gear Pump market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Internal Cycloidal Gear Pump market shares of main players, shipments in revenue ($ Million), sales quantity (K 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 Internal Cycloidal Gear Pump

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 Internal Cycloidal Gear Pump 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 Bosch Rexroth, Parker Hannifin, SKF, ASA Group, NOP, Mikuni, Cascon, Rheinmetall, GRIBI Hydraulics, Zhenjiang Hydraulics, etc.

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

Market Segmentation

Internal Cycloidal Gear Pump 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 Tooth Pair

Multi-Tooth Pair

Market segment by Tooth Profile

Standard Cycloid

Circular-Arc Cycloid

Market segment by Application

Automotive

Aerospace

Industrial Machinery

New Energy

Other

Major players covered

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Bosch Rexroth

Parker Hannifin

SKF

ASA Group

NOP

Mikuni

Cascon

Rheinmetall

GRIBI Hydraulics

Zhenjiang Hydraulics

Hebei Yuandong Pump 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:

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Chapter 1, to describe Internal Cycloidal Gear Pump product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Internal Cycloidal Gear Pump, with price, sales quantity, revenue, and global market share of Internal Cycloidal Gear Pump from 2021 to 2026.

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

Chapter 4, the Internal Cycloidal Gear Pump 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 Internal Cycloidal Gear Pump 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 Internal Cycloidal Gear Pump.

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

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