

Automotive Control Valves Market Size, Trends, Analysis, and Outlook by Type (Electric, Hydraulic), Application (Braking System, Hydraulic Control System, Drive System), Vehicle (Passenger Car, Light Commercial Vehicle, Heavy Commercial Vehicle, Electric Vehicle), by Country, Segment, and Companies, 2024-2030

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Abstracts

The global Automotive Crankshaft market size is poised to register 2.98% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The study analyzes the global Automotive Crankshaft market by Type (Single Piece Crankshaft, Built-up Crankshaft, Semi-built Crankshafts, Forged Crankshafts, Welded Crankshafts, Cast Crankshafts, Billet Crankshafts), Material (Forged steel, Cast iron/steel, Machined billet), Vehicle (Passenger Car, Commercial Vehicle).

The Automotive Crankshaft Market is poised for significant evolution until 2030, driven by several pivotal trends and drivers. With the automotive industry's continued pursuit of enhanced performance, fuel efficiency, and emissions reduction, there's a growing demand for lightweight, durable, and efficient crankshaft solutions. This demand is further fueled by the increasing adoption of electric and hybrid vehicles, which require innovative crankshaft designs to accommodate different powertrain configurations and optimize energy transfer. In addition, as engine designs evolve toward downsized and turbocharged architectures, there's a trend toward the development of forged and lightweight crankshafts that offer improved strength-to-weight ratios and reduced rotational inertia. Further, advancements in materials science, manufacturing processes, and computer-aided design (CAD) software are anticipated to enable the production of crankshafts with complex geometries and optimized stress distribution, enhancing .

Automotive Crankshaft Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Automotive Crankshaft market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Automotive Crankshaft survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Automotive Crankshaft industry.

Key market trends defining the global Automotive Crankshaft demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Automotive Crankshaft Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Automotive Crankshaft industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Automotive Crankshaft companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Automotive Crankshaft industry
Leading Automotive Crankshaft companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Automotive Crankshaft companies.

Automotive Crankshaft Market Study- Strategic Analysis Review

The Automotive Crankshaft market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-
Industry Dynamics: Porter's Five Forces analysis to understand bargaining power,

competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis.

Explore potential market disruptions, technology advancements, and economic changes.

Automotive Crankshaft Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Automotive Crankshaft industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Automotive Crankshaft Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Automotive Crankshaft Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Automotive Crankshaft market segments. Similarly, Strong end-user demand is encouraging Canadian Automotive Crankshaft companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Automotive Crankshaft market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Automotive Crankshaft Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Automotive Crankshaft industry with consumers in Germany, France, the UK, Spain,

Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Automotive Crankshaft market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Automotive Crankshaft Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Automotive Crankshaft in Asia Pacific. In particular, China, India, and South East Asian Automotive Crankshaft markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Automotive Crankshaft Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Automotive Crankshaft Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Automotive Crankshaft market potential. Fueled by increasing consumption expenditure, growing population, and high demand across a few markets drives the demand for Automotive Crankshaft.

Automotive Crankshaft Market Company Profiles

The global Automotive Crankshaft market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market

shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Arrow Precision Engineering Ltd, Bryant Racing Inc, Kalyani Group, Mahindra Group, Maschinenfabrik Alfing Kessler GmbH, Nippon Steel Corp, Rheinmetall AG, Sandvik AB, Thyssenkrupp AG, Tianrun Crankshaft Co. Ltd.

Recent Automotive Crankshaft Market Developments

The global Automotive Crankshaft market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Automotive Crankshaft Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

Type

Single Piece Crankshaft

Built-up Crankshaft

Semi-built Crankshafts

Forged Crankshafts

Welded Crankshafts

Cast Crankshafts

Billet Crankshafts

Material

Forged steel

Cast iron/steel

Machined billet

Vehicle

Passenger Car

Commercial Vehicle

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Arrow Precision Engineering Ltd

Bryant Racing Inc

Kalyani Group

Mahindra Group

Maschinenfabrik Alfing Kessler GmbH

Nippon Steel Corp

Rheinmetall AG

Sandvik AB

Thyssenkrupp AG

Tianrun Crankshaft Co. Ltd.

Formats Available: Excel, PDF, and PPT

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 - Hydraulic

Application

Braking System

Hydraulic Control System

Drive System

Vehicle

Passenger Car

Light Commercial Vehicle

Heavy Commercial Vehicle

Electric Vehicle

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