

Automotive Engine Connecting Rods Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Aluminium Rods, Steel Rods, Titanium Rods, Magnesium Rods), By Vehicle Type (Passenger Car, Light Commercial Vehicles, Heavy Commercial Vehicle), By Engine Type (Four Stroke, L4, L6, V6, V8 Engines), By Region, Competition, 2018-2028

<https://marketpublishers.com/r/A161F40F6988EN.html>

Date: November 2023

Pages: 190

Price: US\$ 4,900.00 (Single User License)

ID: A161F40F6988EN

Abstracts

Global Automotive Engine Connecting Rods Market has valued at USD 39.6 Billion in 2022 and is anticipated to project robust growth in the forecast period with a CAGR of 3.96% through 2028. The Global Automotive Engine Connecting Rods Market is experiencing significant growth, fueled by the ever-increasing demand for automobiles across the globe. As one of the vital components of vehicles, connecting rods play a crucial role in the seamless functioning of an automobile's engine. They serve as the connecting link between the piston and the crankshaft, facilitating the smooth transfer of power from the piston to the crankshaft, which is subsequently transmitted to the wheels, ensuring efficient and reliable performance on the road. With advancements in technology and continuous innovation, the automotive industry is witnessing the development of high-quality connecting rods that offer improved durability, strength, and overall engine performance. As a result, the demand for automotive engine connecting rods is expected to further escalate in the coming years, contributing to the growth of the global market.

The rapid proliferation of the automotive industry, driven by advancements in technology and the growing emphasis on high-performance vehicles, has paved the

way for a remarkable transformation in the field of connecting rods.

Manufacturers are now increasingly turning to advanced materials, such as alloys and composites, to enhance the strength, durability, and overall performance of these vital engine components. This shift towards advanced materials has not only revolutionized the Global Automotive Engine Connecting Rods Market but has also opened up new avenues of innovation and growth in the automotive sector. As a result, the market is witnessing a significant surge in demand, fueled by the need for more efficient and powerful engines that can meet the ever-increasing demands of the modern automotive landscape.

The automotive market is classified into various categories based on product type, vehicle type, and geography. When it comes to product types, the market includes steel, aluminum, and other materials, each playing a distinct role in the automotive industry. For vehicle types, there are passenger vehicles, commercial vehicles, and other specialized types, catering to different transportation needs. Geographically, the market is spread across major regions such as North America, Europe, Asia-Pacific, and the rest of the world, with each region contributing unique dynamics and market trends to the overall automotive landscape.

The Asia-Pacific region continues to dominate the market due to the high concentration of automobile manufacturers, coupled with the growing demand for vehicles in this region. The increasing urbanization and rising disposable income in countries like China and India contribute to the surge in demand for automobiles. Moreover, the presence of established automotive manufacturing hubs and favorable government policies further fuel the growth of the automotive industry in Asia-Pacific.

In addition, Europe and North America also display significant growth in the automotive sector. These regions leverage their advanced technology and engineering expertise to produce luxurious and high-performance vehicles that cater to the discerning preferences of consumers. The strong presence of renowned automotive brands and continuous innovation drive the demand for vehicles in Europe and North America.

Overall, the global automotive market is witnessing robust growth across different regions, with Asia-Pacific, Europe, and North America playing prominent roles in shaping the industry's landscape.

Innovation remains a key market trend, with leading players focusing on developing lightweight and durable connecting rods that can withstand high pressure and temperature. Companies like MAHLE GmbH, Thyssenkrupp AG, and Cummins, Inc.,

are some of the formidable players in the market, striving for innovation and expansion.

In addition to the challenges of fluctuating raw material prices and increasing environmental regulations, which pose risks to the market's growth, there are also opportunities that arise from the rise of electric vehicles. The shift towards electric vehicles not only addresses environmental concerns but also opens up new avenues for innovation, investment, and market expansion. This transition presents a chance for businesses to tap into the growing demand for sustainable transportation solutions and to contribute to a greener and more efficient future.

In conclusion, despite these challenges, the Global Automotive Engine Connecting Rods Market is poised for significant growth, facilitated by technological advancements, increasing automobile demand, and the advent of electric vehicles. The focus on lightweight and high-strength connecting rods will continue to shape the future of this market.

Key Market Drivers

Increasing Demand for Fuel Efficiency

One of the primary drivers propelling the Global Automotive Engine Connecting Rods Market is the escalating demand for fuel-efficient vehicles. As the automotive industry navigates environmental concerns, stringent emission standards, and the global push towards sustainability, the emphasis on improving fuel efficiency has become paramount. Connecting rods, essential components within the engine assembly, play a crucial role in optimizing engine performance and fuel efficiency.

Connecting rods contribute to the efficient conversion of linear motion into rotational motion within the engine, impacting overall fuel consumption. Manufacturers are increasingly focusing on lightweight and durable materials for connecting rods, reducing inertia and improving engine efficiency. The demand for fuel-efficient vehicles, driven by both consumer preferences and regulatory mandates, directly fuels the growth of the Automotive Engine Connecting Rods Market.

Growth in Automotive Production

The continuous growth in the automotive production sector serves as a significant driver for the Automotive Engine Connecting Rods Market. The expanding global middle class, urbanization trends, and increasing disposable incomes contribute to rising consumer

demand for vehicles. Consequently, automotive manufacturers are scaling up production to meet this demand, driving the need for essential engine components, including connecting rods.

Emerging economies, in particular, play a pivotal role in the growth of automotive production. As these regions experience rapid industrialization and infrastructure development, there is a surge in demand for passenger and commercial vehicles. The Automotive Engine Connecting Rods Market benefits from this production growth, as connecting rods are integral to internal combustion engines used in a wide range of vehicles, from compact cars to heavy-duty trucks.

Advancements in Lightweight Materials

Advancements in lightweight materials represent a crucial driver influencing the Automotive Engine Connecting Rods Market. Traditional connecting rods were primarily made of materials such as cast iron or steel, contributing to the overall weight of the engine. However, to address the industry's dual goals of improving fuel efficiency and reducing emissions, there is a growing shift towards lightweight materials for connecting rod manufacturing.

High-strength alloys, aluminum, and titanium are increasingly being employed to create connecting rods that maintain strength and durability while significantly reducing weight. Lightweight connecting rods contribute to overall engine weight reduction, enhancing fuel efficiency and performance. The adoption of advanced materials aligns with the broader industry trend towards lightweighting to meet stringent emission standards and improve the overall environmental footprint of vehicles.

Technological Innovations in Manufacturing Processes

Technological innovations in manufacturing processes play a pivotal role in driving the Automotive Engine Connecting Rods Market. The adoption of advanced manufacturing techniques enhances the precision, efficiency, and cost-effectiveness of producing connecting rods. Computer Numerical Control (CNC) machining, for example, enables intricate designs and tight tolerances, contributing to the overall performance of connecting rods.

Additionally, advancements in forging processes and heat treatment technologies contribute to the durability and strength of connecting rods. The ability to produce connecting rods with complex shapes and configurations enhances their performance

under varying engine conditions. These technological innovations not only improve the quality of connecting rods but also facilitate cost-effective mass production, supporting the growing demand from the automotive industry.

Increasing Focus on Engine Performance and Power

The relentless pursuit of enhanced engine performance and power is a key driver shaping the Automotive Engine Connecting Rods Market. Automakers and consumers alike seek engines that deliver optimal power output, torque, and overall performance. Connecting rods play a critical role in transmitting the forces generated during the combustion process to the crankshaft, influencing the engine's overall power delivery.

The demand for high-performance vehicles, including sports cars and performance-oriented models, underscores the importance of connecting rods designed to withstand higher stresses and deliver superior performance. As automotive enthusiasts and manufacturers focus on enhancing engine capabilities, the need for specialized connecting rods with advanced materials and design features becomes increasingly pronounced.

Key Market Challenges

Intense Market Competition and Price Pressures

One of the significant challenges faced by the Global Automotive Engine Connecting Rods Market is the intense competition prevailing within the automotive components sector. As automotive manufacturers strive to optimize costs and enhance profitability, they often exert downward pressure on component suppliers, including those producing connecting rods. This competitive landscape creates challenges for connecting rod manufacturers, as they must balance delivering high-quality, technologically advanced products with cost-effectiveness.

The price pressures can lead to compromises in manufacturing processes, material selection, or overall product quality. This challenge is particularly pronounced in regions where cost considerations heavily influence supplier relationships and sourcing decisions. Connecting rod manufacturers must navigate this competitive environment by implementing efficient production processes, exploring cost-effective material alternatives, and differentiating their offerings through technological innovations to maintain a competitive edge in the market.

Stringent Emission Standards and Regulatory Compliance

The automotive industry is undergoing a paradigm shift towards cleaner and more sustainable technologies, driven by stringent emission standards and regulatory mandates worldwide. This shift poses a significant challenge for the Global Automotive Engine Connecting Rods Market as connecting rods are integral components within the internal combustion engines that power a majority of vehicles on the road. Meeting emission standards requires innovative solutions, such as lightweight materials and advanced manufacturing processes, which can escalate production costs.

As governments globally enact increasingly stringent emission regulations to combat environmental concerns, connecting rod manufacturers face the challenge of aligning their products with these standards without compromising on performance. Achieving the delicate balance between meeting regulatory requirements and maintaining cost competitiveness is a persistent challenge that demands continuous research and development investments and a proactive approach to evolving emission standards.

Complexity in Engine Design and Customization

The evolving complexity in engine design, driven by factors such as electrification, hybridization, and the incorporation of advanced technologies, poses a substantial challenge for the Automotive Engine Connecting Rods Market. Connecting rods must adapt to diverse engine architectures, including traditional internal combustion engines, hybrid powertrains, and electric vehicles. This complexity necessitates a high degree of customization in connecting rod design and specifications, adding challenges to mass production and inventory management.

Engine manufacturers often seek connecting rod solutions tailored to specific performance requirements, engine layouts, and weight considerations. The challenge for connecting rod manufacturers lies in accommodating this diversity while maintaining cost efficiency in production. The need for customization also extends to accommodating various materials and manufacturing processes based on the engine's specific requirements, further complicating the production landscape for connecting rods.

Adoption of Alternative Propulsion Technologies

The growing adoption of alternative propulsion technologies, such as electric and hydrogen fuel cell vehicles, poses a significant challenge for the Automotive Engine

Connecting Rods Market. As the automotive industry witnesses a shift towards cleaner and more sustainable mobility solutions, the demand for internal combustion engines, and consequently, traditional connecting rods, is expected to decline. Electric vehicles, in particular, eliminate the need for many components associated with conventional engines, including connecting rods.

This shift in propulsion technologies challenges connecting rod manufacturers to diversify their product offerings or explore opportunities in emerging markets related to alternative propulsion systems. Adapting to the changing landscape may involve exploring lightweight materials suitable for electric vehicle components, transitioning to producing connecting rods for hybrid systems, or diversifying into new markets that align with the rise of alternative propulsion technologies.

Influence of Global Economic Uncertainties

Global economic uncertainties, including geopolitical tensions, trade disputes, and unforeseen crises, pose a considerable challenge for the Automotive Engine Connecting Rods Market. The industry's sensitivity to economic fluctuations impacts vehicle production levels, consumer purchasing power, and overall demand for automotive components. During periods of economic downturns or uncertainty, automotive manufacturers may cut production volumes, leading to reduced demand for connecting rods.

The COVID-19 pandemic, for instance, exposed the vulnerability of the automotive supply chain to global disruptions, impacting production schedules and causing fluctuations in demand. Connecting rod manufacturers need to build resilience in their operations, establish flexible supply chain strategies, and monitor economic indicators to adapt swiftly to changes in market dynamics influenced by global economic uncertainties.

Key Market Trends

Growing Embrace of Lightweight Materials

A prominent trend shaping the Global Automotive Engine Connecting Rods Market is the increasing embrace of lightweight materials in the manufacturing of connecting rods. Traditionally, connecting rods were primarily crafted from materials like cast iron or steel, prioritizing strength and durability. However, the industry's pursuit of enhanced fuel efficiency and reduced emissions has prompted a shift towards lightweight

materials that offer a favorable strength-to-weight ratio.

Materials such as high-strength alloys, aluminum, and titanium are gaining prominence in connecting rod construction. These materials not only contribute to the reduction of the overall weight of the connecting rod but also play a crucial role in optimizing the inertia of the reciprocating components within the engine. The adoption of lightweight materials aligns with the broader automotive trend of lightweighting, aiming to enhance vehicle efficiency and performance while meeting stringent environmental regulations.

Connecting rod manufacturers are investing significantly in research and development to explore innovative alloys and composite materials. Advanced manufacturing processes, including precision machining and forging, further complement the use of lightweight materials, ensuring that the connecting rods maintain the necessary strength and integrity while contributing to the overall weight reduction goals of modern engine designs.

Integration of Advanced Manufacturing Technologies

The Global Automotive Engine Connecting Rods Market is witnessing a notable trend towards the integration of advanced manufacturing technologies. Traditional methods, such as casting and forging, are being augmented and, in some cases, replaced by advanced techniques like Computer Numerical Control (CNC) machining and 3D printing. These technologies offer precision, flexibility in design, and efficiency in production, addressing the demand for complex and lightweight connecting rod designs.

CNC machining, in particular, allows for intricate and precisely engineered connecting rod designs that optimize strength and reduce unnecessary weight. The level of precision achieved through CNC machining contributes to improved performance and durability of connecting rods. Additionally, 3D printing, although in its nascent stages for mass production in the automotive sector, holds promise for creating intricate, customized connecting rod designs with minimal material waste.

The integration of advanced manufacturing technologies not only enhances the quality and efficiency of connecting rod production but also allows manufacturers to explore innovative designs that cater to the evolving requirements of modern engines. This trend aligns with the broader industry push towards Industry 4.0 and smart manufacturing, fostering agility and adaptability in responding to dynamic market demands.

Focus on Sustainable and Recyclable Materials

A discernible trend in the Global Automotive Engine Connecting Rods Market is the increasing focus on sustainable and recyclable materials. As the automotive industry places greater emphasis on environmental stewardship and sustainability, connecting rod manufacturers are exploring materials with reduced environmental impact throughout their lifecycle. This trend aligns with the broader industry commitment to circular economy principles and reducing the environmental footprint of automotive components.

Materials that are easily recyclable and have a lower environmental impact during production contribute to a more sustainable supply chain. Connecting rod manufacturers are evaluating the life cycle assessments of materials, considering factors such as extraction, manufacturing, use, and end-of-life disposal. Incorporating sustainable materials not only meets regulatory expectations but also resonates with environmentally conscious consumers, positioning manufacturers as responsible contributors to the global effort to reduce automotive-related environmental impacts.

In addition to sustainable materials, manufacturers are exploring design strategies that facilitate ease of disassembly and recycling at the end of a vehicle's life. This focus on sustainability aligns with the automotive industry's broader goals of achieving a circular economy and minimizing the environmental consequences associated with component manufacturing and disposal.

Increasing Demand for Customization and Performance Enhancement

The Global Automotive Engine Connecting Rods Market is experiencing a surge in the demand for customization and performance enhancement. As automotive enthusiasts and manufacturers seek to optimize engine performance for various applications, there is a growing need for connecting rods tailored to specific requirements. Customization extends beyond the traditional parameters of material and design, encompassing considerations such as weight, length, and configuration.

Performance-oriented vehicles, including sports cars and high-performance models, are driving the demand for connecting rods that can withstand higher stresses and deliver superior performance. Connecting rod manufacturers are responding to this trend by offering a range of specialized connecting rods designed for specific engine configurations and performance objectives. This includes variations for naturally aspirated engines, turbocharged engines, and engines designed for motorsports

applications.

Additionally, the rise of aftermarket tuning and modifications has further fueled the demand for customizable connecting rods. Automotive enthusiasts seeking to enhance their vehicle's performance often turn to aftermarket connecting rods that offer specific design features, materials, and dimensions tailored to their unique requirements. Connecting rod manufacturers are adapting to this trend by providing a diverse range of products that cater to the growing demand for personalized and performance-oriented solutions.

Integration of Smart Technologies for Monitoring and Performance Optimization

An emerging trend in the Automotive Engine Connecting Rods Market is the integration of smart technologies for real-time monitoring and performance optimization. As vehicles become increasingly connected and technologically advanced, connecting rod manufacturers are exploring ways to embed sensors and monitoring capabilities within the rods. These sensors can provide crucial data on factors such as temperature, stress, and vibration, offering insights into the operating conditions of the engine.

The integration of smart technologies allows for condition monitoring, enabling early detection of potential issues or abnormalities in the engine. This proactive approach to maintenance contributes to enhanced reliability and durability of the connecting rods and the overall engine system. Additionally, real-time data from smart connecting rods can be leveraged for performance optimization, allowing for dynamic adjustments based on driving conditions and engine stress.

The data generated by smart connecting rods also facilitates predictive maintenance strategies, reducing downtime and minimizing the risk of unexpected failures. This trend aligns with the broader industry shift towards the Internet of Things (IoT) and connectivity in vehicles, fostering a new era of intelligent components that contribute to overall vehicle efficiency, reliability, and performance.

Segmental Insights

Engine Type Analysis

The global automotive engine connecting rods market is divided into multiple segments based on engine type. The primary categories include gasoline engines, diesel engines, and alternative fuel engines. Gasoline engines are known for their lightweight design

and high performance, making them a popular choice for passenger vehicles. Diesel engines, on the other hand, are found mainly in commercial and heavy-duty vehicles due to their superior torque and fuel efficiency. Lastly, alternative fuel engines are gaining momentum, particularly with the rising interest in electric vehicles and hybrids. This growth is driven by environmental concerns and initiatives to reduce carbon emissions, positioning alternative fuel engines as a key player in the future of the automotive industry.

Vehicle Type Analysis

The global Automotive Engine Connecting Rods Market is expected to experience significant growth in the coming years. This surge is driven by the increasing demand for high-performance vehicles and the rapid advancements in automotive technology. The market is further propelled by the rise in vehicle production and the stringent emission norms implemented globally. The connecting rod, a crucial component in a vehicle's engine, transfers motion from the piston to the crankshaft and delivers power from the engine to the transmission. The demand for high-quality connecting rods, capable of withstanding extreme pressure and temperature conditions, is thus on the rise. Various types of connecting rods, including steel, aluminum, and titanium, are gaining popularity based on their attributes and application in different types of vehicles, including passenger cars, light commercial vehicles, and heavy commercial vehicles.

Regional Insights

The global Automotive Engine Connecting Rods Market demonstrates regional diversity, with key players and growth trends varying across different areas. North America, propelled by its advanced automotive industry and high demand for vehicle performance improvement, stands as a significant market. In contrast, the Asia-Pacific region, driven by emerging economies like China and India, exhibits rapid growth due to increasing vehicle production and a vast consumer base. Meanwhile, Europe maintains a steady market growth, sustained by its strong automotive manufacturing sector, particularly in countries such as Germany and France. Each region contributes uniquely to the global market, influenced by factors like consumer preferences, technological advancements, and regulatory norms.

Key Market Players

Arrow Precision Ltd.

Albon Engineering and Manufacturing Plc.

CP Carrillo

MARUTI SUZUKI INDIA LIMITED

MAHLE GmbH

Nangong Jingqiang Connecting Rod Co., Ltd.

PAUTER MACHINE CO.

TIANRUN CRANKSHAFT CO., LTD.

Wossner Pistons

Wiseco Piston Company Inc

Report Scope:

In this report, the Global Automotive Engine Connecting Rods Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Engine Connecting Rods Market, By Product Type:

Aluminium Rods

Steel Rods

Titanium Rods

Magnesium Rods

Automotive Engine Connecting Rods Market, By Engine Type:

Four Stroke

L4

L6

V6

V8

Automotive Engine Connecting Rods Market, By Vehicle Type:

Passenger Car

Light Commercial Vehicles

Heavy Commercial Vehicle

Automotive Engine Connecting Rods Market, By Region:

Asia-Pacific

China

India

Japan

Indonesia

Thailand

South Korea

Australia

Europe & CIS

Germany

Spain

France

Russia

Italy

United Kingdom

Belgium

North America

United States

Canada

Mexico

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Turkey

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Engine Connecting Rods Market.

Available Customizations:

Global Automotive Engine Connecting Rods Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. INTRODUCTION

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Regions
- 3.4. Key Segments

4. IMPACT OF COVID-19 ON GLOBAL AUTOMOTIVE ENGINE CONNECTING RODS MARKET

5. GLOBAL AUTOMOTIVE ENGINE CONNECTING RODS MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Product Type Market Share Analysis (Aluminium Rods, Steel Rods, Titanium Rods, Magnesium Rods)
 - 5.2.2. By Vehicle Type Market Share Analysis (Passenger Car, Light Commercial

Vehicles, Heavy Commercial Vehicle)

5.2.3. By Engine Type Market Share Analysis (Four Stroke, L4, L6, V6, V8 Engines)

5.2.4. By Regional Market Share Analysis

5.2.4.1. Asia-Pacific Market Share Analysis

5.2.4.2. Europe & CIS Market Share Analysis

5.2.4.3. North America Market Share Analysis

5.2.4.4. South America Market Share Analysis

5.2.4.5. Middle East & Africa Market Share Analysis

5.2.5. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2022)

5.3. Global Automotive Engine Connecting Rods Market Mapping & Opportunity Assessment

5.3.1. By Product Type Market Mapping & Opportunity Assessment

5.3.2. By Engine Type Market Mapping & Opportunity Assessment

5.3.3. By Vehicle Type Market Mapping & Opportunity Assessment

5.3.4. By Regional Market Mapping & Opportunity Assessment

6. ASIA-PACIFIC AUTOMOTIVE ENGINE CONNECTING RODS MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Product Type Market Share Analysis

6.2.2. By Engine Type Market Share Analysis

6.2.3. By Vehicle Type Market Share Analysis

6.2.4. By Country Market Share Analysis

6.2.4.1. China Market Share Analysis

6.2.4.2. India Market Share Analysis

6.2.4.3. Japan Market Share Analysis

6.2.4.4. Indonesia Market Share Analysis

6.2.4.5. Thailand Market Share Analysis

6.2.4.6. South Korea Market Share Analysis

6.2.4.7. Australia Market Share Analysis

6.2.4.8. Rest of Asia-Pacific Market Share Analysis

6.3. Asia-Pacific: Country Analysis

6.3.1. China Automotive Engine Connecting Rods Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

- 6.3.1.2.1. By Product Type Market Share Analysis
- 6.3.1.2.2. By Engine Type Market Share Analysis
- 6.3.1.2.3. By Vehicle Type Market Share Analysis
- 6.3.2. India Automotive Engine Connecting Rods Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product Type Market Share Analysis
 - 6.3.2.2.2. By Engine Type Market Share Analysis
 - 6.3.2.2.3. By Vehicle Type Market Share Analysis
- 6.3.3. Japan Automotive Engine Connecting Rods Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product Type Market Share Analysis
 - 6.3.3.2.2. By Engine Type Market Share Analysis
 - 6.3.3.2.3. By Vehicle Type Market Share Analysis
- 6.3.4. Indonesia Automotive Engine Connecting Rods Market Outlook
 - 6.3.4.1. Market Size & Forecast
 - 6.3.4.1.1. By Value
 - 6.3.4.2. Market Share & Forecast
 - 6.3.4.2.1. By Product Type Market Share Analysis
 - 6.3.4.2.2. By Engine Type Market Share Analysis
 - 6.3.4.2.3. By Vehicle Type Market Share Analysis
- 6.3.5. Thailand Automotive Engine Connecting Rods Market Outlook
 - 6.3.5.1. Market Size & Forecast
 - 6.3.5.1.1. By Value
 - 6.3.5.2. Market Share & Forecast
 - 6.3.5.2.1. By Product Type Market Share Analysis
 - 6.3.5.2.2. By Engine Type Market Share Analysis
 - 6.3.5.2.3. By Vehicle Type Market Share Analysis
- 6.3.6. South Korea Automotive Engine Connecting Rods Market Outlook
 - 6.3.6.1. Market Size & Forecast
 - 6.3.6.1.1. By Value
 - 6.3.6.2. Market Share & Forecast
 - 6.3.6.2.1. By Product Type Market Share Analysis
 - 6.3.6.2.2. By Engine Type Market Share Analysis
 - 6.3.6.2.3. By Vehicle Type Market Share Analysis
- 6.3.7. Australia Automotive Engine Connecting Rods Market Outlook

6.3.7.1. Market Size & Forecast

6.3.7.1.1. By Value

6.3.7.2. Market Share & Forecast

6.3.7.2.1. By Product Type Market Share Analysis

6.3.7.2.2. By Engine Type Market Share Analysis

6.3.7.2.3. By Vehicle Type Market Share Analysis

7. EUROPE & CIS AUTOMOTIVE ENGINE CONNECTING RODS MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Product Type Market Share Analysis

7.2.2. By Engine Type Market Share Analysis

7.2.3. By Vehicle Type Market Share Analysis

7.2.4. By Country Market Share Analysis

7.2.4.1. Germany Market Share Analysis

7.2.4.2. Spain Market Share Analysis

7.2.4.3. France Market Share Analysis

7.2.4.4. Russia Market Share Analysis

7.2.4.5. Italy Market Share Analysis

7.2.4.6. United Kingdom Market Share Analysis

7.2.4.7. Belgium Market Share Analysis

7.2.4.8. Rest of Europe & CIS Market Share Analysis

7.3. Europe & CIS: Country Analysis

7.3.1. Germany Automotive Engine Connecting Rods Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Product Type Market Share Analysis

7.3.1.2.2. By Engine Type Market Share Analysis

7.3.1.2.3. By Vehicle Type Market Share Analysis

7.3.2. Spain Automotive Engine Connecting Rods Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Product Type Market Share Analysis

7.3.2.2.2. By Engine Type Market Share Analysis

- 7.3.2.2.3. By Vehicle Type Market Share Analysis
- 7.3.3. France Automotive Engine Connecting Rods Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Product Type Market Share Analysis
 - 7.3.3.2.2. By Engine Type Market Share Analysis
 - 7.3.3.2.3. By Vehicle Type Market Share Analysis
- 7.3.4. Russia Automotive Engine Connecting Rods Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Product Type Market Share Analysis
 - 7.3.4.2.2. By Engine Type Market Share Analysis
 - 7.3.4.2.3. By Vehicle Type Market Share Analysis
- 7.3.5. Italy Automotive Engine Connecting Rods Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Product Type Market Share Analysis
 - 7.3.5.2.2. By Engine Type Market Share Analysis
 - 7.3.5.2.3. By Vehicle Type Market Share Analysis
- 7.3.6. United Kingdom Automotive Engine Connecting Rods Market Outlook
 - 7.3.6.1. Market Size & Forecast
 - 7.3.6.1.1. By Value
 - 7.3.6.2. Market Share & Forecast
 - 7.3.6.2.1. By Product Type Market Share Analysis
 - 7.3.6.2.2. By Engine Type Market Share Analysis
 - 7.3.6.2.3. By Vehicle Type Market Share Analysis
- 7.3.7. Belgium Automotive Engine Connecting Rods Market Outlook
 - 7.3.7.1. Market Size & Forecast
 - 7.3.7.1.1. By Value
 - 7.3.7.2. Market Share & Forecast
 - 7.3.7.2.1. By Product Type Market Share Analysis
 - 7.3.7.2.2. By Engine Type Market Share Analysis
 - 7.3.7.2.3. By Vehicle Type Market Share Analysis

8. NORTH AMERICA AUTOMOTIVE ENGINE CONNECTING RODS MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Product Type Market Share Analysis

8.2.2. By Engine Type Market Share Analysis

8.2.3. By Vehicle Type Market Share Analysis

8.2.4. By Country Market Share Analysis

8.2.4.1. United States Market Share Analysis

8.2.4.2. Mexico Market Share Analysis

8.2.4.3. Canada Market Share Analysis

8.3. North America: Country Analysis

8.3.1. United States Automotive Engine Connecting Rods Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Product Type Market Share Analysis

8.3.1.2.2. By Engine Type Market Share Analysis

8.3.1.2.3. By Vehicle Type Market Share Analysis

8.3.2. Mexico Automotive Engine Connecting Rods Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Product Type Market Share Analysis

8.3.2.2.2. By Engine Type Market Share Analysis

8.3.2.2.3. By Vehicle Type Market Share Analysis

8.3.3. Canada Automotive Engine Connecting Rods Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Product Type Market Share Analysis

8.3.3.2.2. By Engine Type Market Share Analysis

8.3.3.2.3. By Vehicle Type Market Share Analysis

9. SOUTH AMERICA AUTOMOTIVE ENGINE CONNECTING RODS MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Product Type Market Share Analysis

9.2.2. By Engine Type Market Share Analysis

9.2.3. By Vehicle Type Market Share Analysis

9.2.4. By Country Market Share Analysis

9.2.4.1. Brazil Market Share Analysis

9.2.4.2. Argentina Market Share Analysis

9.2.4.3. Colombia Market Share Analysis

9.2.4.4. Rest of South America Market Share Analysis

9.3. South America: Country Analysis

9.3.1. Brazil Automotive Engine Connecting Rods Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Product Type Market Share Analysis

9.3.1.2.2. By Engine Type Market Share Analysis

9.3.1.2.3. By Vehicle Type Market Share Analysis

9.3.2. Colombia Automotive Engine Connecting Rods Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Product Type Market Share Analysis

9.3.2.2.2. By Engine Type Market Share Analysis

9.3.2.2.3. By Vehicle Type Market Share Analysis

9.3.3. Argentina Automotive Engine Connecting Rods Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Product Type Market Share Analysis

9.3.3.2.2. By Engine Type Market Share Analysis

9.3.3.2.3. By Vehicle Type Market Share Analysis

10. MIDDLE EAST & AFRICA AUTOMOTIVE ENGINE CONNECTING RODS MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Product Type Market Share Analysis

- 10.2.2. By Engine Type Market Share Analysis
- 10.2.3. By Vehicle Type Market Share Analysis
- 10.2.4. By Country Market Share Analysis
 - 10.2.4.1. South Africa Market Share Analysis
 - 10.2.4.2. Turkey Market Share Analysis
 - 10.2.4.3. Saudi Arabia Market Share Analysis
 - 10.2.4.4. UAE Market Share Analysis
 - 10.2.4.5. Rest of Middle East & Africa Market Share Africa
- 10.3. Middle East & Africa: Country Analysis
 - 10.3.1. South Africa Automotive Engine Connecting Rods Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Product Type Market Share Analysis
 - 10.3.1.2.2. By Engine Type Market Share Analysis
 - 10.3.1.2.3. By Vehicle Type Market Share Analysis
 - 10.3.2. Turkey Automotive Engine Connecting Rods Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Product Type Market Share Analysis
 - 10.3.2.2.2. By Engine Type Market Share Analysis
 - 10.3.2.2.3. By Vehicle Type Market Share Analysis
 - 10.3.3. Saudi Arabia Automotive Engine Connecting Rods Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Product Type Market Share Analysis
 - 10.3.3.2.2. By Engine Type Market Share Analysis
 - 10.3.3.2.3. By Vehicle Type Market Share Analysis
 - 10.3.4. UAE Automotive Engine Connecting Rods Market Outlook
 - 10.3.4.1. Market Size & Forecast
 - 10.3.4.1.1. By Value
 - 10.3.4.2. Market Share & Forecast
 - 10.3.4.2.1. By Product Type Market Share Analysis
 - 10.3.4.2.2. By Engine Type Market Share Analysis
 - 10.3.4.2.3. By Vehicle Type Market Share Analysis

11. SWOT ANALYSIS

- 11.1. Strength
- 11.2. Weakness
- 11.3. Opportunities
- 11.4. Threats

12. MARKET DYNAMICS

- 12.1. Market Drivers
- 12.2. Market Challenges

13. MARKET TRENDS AND DEVELOPMENTS

14. COMPETITIVE LANDSCAPE

- 14.1. Company Profiles (Up to 10 Major Companies)
 - 14.1.1. Wiseco Piston Company Inc
 - 14.1.1.1. Company Details
 - 14.1.1.2. Key Product Offered
 - 14.1.1.3. Financials (As Per Availability)
 - 14.1.1.4. Recent Developments
 - 14.1.1.5. Key Management Personnel
 - 14.1.2. Arrow Precision Ltd.
 - 14.1.2.1. Company Details
 - 14.1.2.2. Key Product Offered
 - 14.1.2.3. Financials (As Per Availability)
 - 14.1.2.4. Recent Developments
 - 14.1.2.5. Key Management Personnel
 - 14.1.3. Albon Engineering and Manufacturing Plc.
 - 14.1.3.1. Company Details
 - 14.1.3.2. Key Product Offered
 - 14.1.3.3. Financials (As Per Availability)
 - 14.1.3.4. Recent Developments
 - 14.1.3.5. Key Management Personnel
 - 14.1.4. CP Carrillo
 - 14.1.4.1. Company Details
 - 14.1.4.2. Key Product Offered
 - 14.1.4.3. Financials (As Per Availability)

- 14.1.4.4. Recent Developments
- 14.1.4.5. Key Management Personnel
- 14.1.5. MARUTI SUZUKI INDIA LIMITED
 - 14.1.5.1. Company Details
 - 14.1.5.2. Key Product Offered
 - 14.1.5.3. Financials (As Per Availability)
 - 14.1.5.4. Recent Developments
 - 14.1.5.5. Key Management Personnel
- 14.1.6. MAHLE GmbH
 - 14.1.6.1. Company Details
 - 14.1.6.2. Key Product Offered
 - 14.1.6.3. Financials (As Per Availability)
 - 14.1.6.4. Recent Developments
 - 14.1.6.5. Key Management Personnel
- 14.1.7. Nangong Jingqiang Connecting Rod Co., Ltd.
 - 14.1.7.1. Company Details
 - 14.1.7.2. Key Product Offered
 - 14.1.7.3. Financials (As Per Availability)
 - 14.1.7.4. Recent Developments
 - 14.1.7.5. Key Management Personnel
- 14.1.8. PAUTER MACHINE CO.
 - 14.1.8.1. Company Details
 - 14.1.8.2. Key Product Offered
 - 14.1.8.3. Financials (As Per Availability)
 - 14.1.8.4. Recent Developments
 - 14.1.8.5. Key Management Personnel
- 14.1.9. TIANRUN CRANKSHAFT CO., LTD.
 - 14.1.9.1. Company Details
 - 14.1.9.2. Key Product Offered
 - 14.1.9.3. Financials (As Per Availability)
 - 14.1.9.4. Recent Developments
 - 14.1.9.5. Key Management Personnel
- 14.1.10. Wossner Pistons
 - 14.1.10.1. Company Details
 - 14.1.10.2. Key Product Offered
 - 14.1.10.3. Financials (As Per Availability)
 - 14.1.10.4. Recent Developments
 - 14.1.10.5. Key Management Personnel

15. STRATEGIC RECOMMENDATIONS

15.1. Key Focus Areas

15.1.1. Target Regions

15.1.2. Target Vehicle Type

15.1.3. Target Engine Type

16. ABOUT US & DISCLAIMER

I would like to order

Product name: Automotive Engine Connecting Rods Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Aluminium Rods, Steel Rods, Titanium Rods, Magnesium Rods), By Vehicle Type (Passenger Car, Light Commercial Vehicles, Heavy Commercial Vehicle), By Engine Type (Four Stroke, L4, L6, V6, V8 Engines), By Region, Competition, 2018-2028

Product link: <https://marketpublishers.com/r/A161F40F6988EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A161F40F6988EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970