

Global Piston Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Piston market size was valued at US\$ 11680 million in 2024 and is forecast to a readjusted size of USD 18000 million by 2031 with a CAGR of 6.4% during review period.

The piston is the reciprocating motion in the cylinder body of the automobile engine. The basic structure of piston can be divided into top, head and skirt. The top of the piston is the main part of the combustor, and its shape depends on the combustor form chosen. Most gasoline engines use flat-top piston, which has the advantage of small heat absorption area. Diesel engine piston roof often has a variety of pits, the specific shape, location and size must be in accordance with the diesel engine mixture formation and combustion requirements.

The global piston market is a very fragmented market, with the output share of 17 large enterprises reaching only 62.98% before 2019, and the market size accounting for 66.15%. The top five piston market players are Mahle Group, federal-mogul, Aisin Seiki, Hitachi Automotive Systems, and Rheinmetall Automotive.

This report is a detailed and comprehensive analysis for global Piston market. Both quantitative and qualitative analyses are presented by 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 Piston market size and forecasts, in consumption value (\$ Million), sales quantity (K Unit), and average selling prices (USD/Unit), 2020-2031

Global Piston market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Unit), and average selling prices (USD/Unit), 2020-2031

Global Piston market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Unit), and average selling prices (USD/Unit), 2020-2031

Global Piston market shares of main players, shipments in revenue (\$ Million), sales quantity (K Unit), and ASP (USD/Unit), 2020-2025

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 Piston

To forecast future growth in each product and end-use market

To forecast future factors affecting the marketplace

This report profiles key players in the global Piston 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 Mahle Group, Federal-Mogul, Aisin Seiki, Hitachi Automotive Systems, Rheinmetall Automotive, Binzhou Bohai Piston, Dong Yang Piston, Zynp Corporation, Cheng Shing Piston, Rizhao Shuanggang Machinery Electronics Co.,Ltd., etc.

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

Market Segmentation

Piston market is split by Type and by Application. For the period 2020-2031, 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

Cast Iron Piston

Steel Piston

Aluminium Alloy Piston

Combination Piston

Market segment by Application

Passenger Vehicles

Commercial Vehicles

Major players covered

Mahle Group

Federal-Mogul

Aisin Seiki

Hitachi Automotive Systems

Rheinmetall Automotive

Binzhou Bohai Piston

Dong Yang Piston

Zynp Corporation

Cheng Shing Piston

Rizhao Shuanggang Machinery Electronics Co.,Ltd.

Chang'an Automobile Group

ARN Group

Zhejiang jialaidun Piston Manufacture Co.,Ltd

Huamin Nanping Automobile Fittings Group Co.,Ltd

India Pistons Limited

Honda Foundry

QuFu JinHuang Piston Co. Ltd

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 Piston product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Piston, with price, sales quantity, revenue, and global market share of Piston from 2020 to 2025.

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

Chapter 4, the Piston breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Piston market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Piston.

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

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