

Global Piston Market Growth 2025-2031

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Abstracts

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The global Piston market size is predicted to grow from US\$ 11110 million in 2025 to US\$ 16520 million in 2031; it is expected to grow at a CAGR of 6.8% from 2025 to 2031.

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.

LP Information, Inc. (LPI) ' newest research report, the "Piston Industry Forecast" looks at past sales and reviews total world Piston sales in 2024, providing a comprehensive analysis by region and market sector of projected Piston sales for 2025 through 2031. With Piston sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Piston industry.

This Insight Report provides a comprehensive analysis of the global Piston landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the

strategies of leading global companies with a focus on Piston portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Piston market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Piston and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Piston.

This report presents a comprehensive overview, market shares, and growth opportunities of Piston market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Cast Iron Piston

Steel Piston

Aluminium Alloy Piston

Combination Piston

Segmentation by Application:

Passenger Vehicles

Commercial Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

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

Key Questions Addressed in this Report

What is the 10-year outlook for the global Piston market?

What factors are driving Piston market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Piston market opportunities vary by end market size?

How does Piston break out by Type, by Application?

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