

# Piston - Global Market Outlook (2017-2023)

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## Abstracts

According to Statistics MRC, the Global Automotive Piston market is estimated at \$3,606.77 million in 2016 and is expected to reach \$6,073.97 million by 2023 growing at a CAGR of 7.7%. Rising sales and vehicle production across the globe, increasing demand for light weight pistons and advancements in technologies are some of the factors driving the market. However, shifting focus towards electric vehicles is hampering the market. On the other hand manufacturing of low cost and high quality product is challenging factor for the market growth.

By material, aluminum is most extensively used material for the manufacturing of automotive piston systems across the globe. These aluminum pistons are lighter in weight, low cost, and acceptable strength. Most automotive engines use aluminum pistons that move in an iron cylinder. Aluminum expands more than iron at this temperature range, so for the piston to fit the cylinder properly when at a normal operating temperature, the piston must have a loose fit when cold.

Geographically, Asia Pacific is the most lucrative market owing to rise in number of vehicles in countries such as India, Japan and China. In addition presence of car manufacturers in China and increasing joint ventures with international brands contribute to the growth of the market in the region.

Some of the key players in the Automotive Piston market are Hitachi Ltd. (Hitachi Automotive Systems), Aisin Seiki Co., Ltd., Rheinmetall AG (KSPG AG), Arias Piston, Honda Foundry Co. Ltd., PT Astra Otoparts Tbk, Celina Aluminum Precision Technology, Mahle Group, Day Piston, Dongsuh Industrial Co., Ltd., Art Metal Mfg. Co., Ltd., Federal-Mogul Corporation, United Engine and Machine, KSPG AG, Shandong Binzhou Bohai Piston Co., Ltd., Ross Racing Piston, Capricorn Automotive, Shriram Piston and Rings and Indian Piston Limited.

Coating Types Covered:

Oil Shedding

Dry Film Lubricants

Thermal Barriers

Materials Covered:

Aluminum

Steel

Cast Iron

Other Materials

Types Covered:

Slipper

Deflector

Crosshead

Trunk

Vehicle Types Covered:

Light commercial vehicles

Two wheelers

Heavy commercial vehicles

## Passenger Cars

### Components Covered:

Piston Pin

Piston

Piston Ring

### Piston Types Covered:

Solid Skirt Pistons

Ring Carrier Pistons

Two Stroke Pistons

### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

France

Italy

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends.

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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