

South Korea Positive Displacement Pumps Market Size, Share, Trends and Forecast by Product Type, Capacity, Pump Characteristics, Raw Material, End-Use Industry, and Region, 2026-2034

<https://marketpublishers.com/r/SB9FCEA9AD92EN.html>

Date: July 2026

Pages: 121

Price: US\$ 2,999.00 (Single User License)

ID: SB9FCEA9AD92EN

Abstracts

The South Korea positive displacement pumps market size reached USD 295.9 Million in 2025. Looking forward, the market is expected to reach USD 393.7 Million by 2034, exhibiting a growth rate (CAGR) of 3.06% during 2026-2034. The market is driven by industrial automation, increased demand from chemical and pharmaceutical sectors, and rising investment in wastewater management. Growing adoption in energy-efficient systems and precise fluid handling also supports expansion in the South Korea positive displacement pumps market share.

SOUTH KOREA POSITIVE DISPLACEMENT PUMPS MARKET TRENDS:

Increased Adoption in Water and Wastewater Treatment

One prominent trend in the South Korea positive displacement pumps market is the growing adoption of these pumps in water and wastewater treatment facilities. With stricter environmental regulations and rising urbanization, municipalities and industries are investing in reliable pumping technologies for accurate dosing and sludge handling. Positive displacement pumps, known for their ability to handle viscous and abrasive fluids with consistent flow, are particularly suitable for such operations. Their energy efficiency and minimal maintenance requirements further enhance their appeal for long-term infrastructure projects. Government-led initiatives to modernize wastewater systems have also led to higher procurement of these pumps across public utilities. This shift is a significant contributor to South Korea Positive Displacement Pumps market growth, particularly in the utilities and municipal sectors. For instance, in March 2024,

AERZEN opened a new 5,614 m² turbo manufacturing plant in Cheongju, South Korea, enhancing production for sectors like water treatment and food processing. The facility features advanced tech, expanded capacity, green operations, and new turbo blower models offering 10% better energy efficiency.

Integration of Smart Pumping Technologies

Digital transformation in industrial equipment has led to the integration of smart technologies in positive displacement pumps, a growing trend in the South Korea positive displacement pumps market. Manufacturers are embedding IoT sensors, remote monitoring systems, and predictive maintenance features into pump solutions. These smart pumps can monitor flow rate, pressure, and temperature in real time, enabling early fault detection and minimizing downtime. This is especially valuable in sectors like oil and gas, food and beverage, and specialty chemicals, where system reliability and uptime are crucial. As South Korea moves toward Industry 4.0 standards, the adoption of intelligent pumping systems is becoming widespread, driving innovation and supporting overall South Korea positive displacement pumps market growth. For instance, in August 2024, SEEPEX, part of the Ingersoll Rand Group, enhanced its pump technology business by integrating Copia's Industrial DevOps platform. Facing challenges in PLC code management across multiple vendors, SEEPEX partnered with Copia to centralize development, boost collaboration, and increase efficiency. This shift helped them triple unit sales, reduce code duplication, and streamline workflows.

SOUTH KOREA POSITIVE DISPLACEMENT PUMPS MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on product type, capacity, pump characteristics, raw material, and end-use industry.

Product Type Insights:

Rotary Pumps

Vane

Screw

Lobe

Gear

Progressing Cavity (PC)

Others

Reciprocating Pumps

Piston

Diaphragm

Plunger

Others

Peristaltic

The report has provided a detailed breakup and analysis of the market based on the product type. This includes rotary pumps (vane, screw, lobe, gear, progressing cavity (PC), and others), reciprocating pumps (piston, diaphragm, plunger, and others), peristaltic, and others.

Capacity Insights:

Low Capacity Pumps

Medium Capacity Pumps

High Capacity Pumps

A detailed breakup and analysis of the market based on capacity have also been provided in the report. This includes low capacity pumps, medium capacity pumps, and high capacity pumps.

Pump Characteristics Insights:

Standard Pumps

Engineered Pumps

Special Purpose Pumps

The report has provided a detailed breakup and analysis of the market based on pump characteristics. This includes standard pumps, engineered pumps, and special purpose pumps.

Raw Material Insights:

Bronze

Cast Iron

Polycarbonate

Stainless Steel

A detailed breakup and analysis of the market based on raw material have also been provided in the report. This includes bronze, cast iron, polycarbonate, stainless steel, and others.

End-Use Industry Insights:

Oil and Gas

Water and Wastewater

Automotive

Chemicals and Petrochemicals

The report has provided a detailed breakup and analysis of the market based on the end-use industry. This includes oil and gas, water and wastewater, automotive,

chemicals and petrochemicals, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea positive displacement pumps market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea positive displacement pumps market on the basis of product type?

What is the breakup of the South Korea positive displacement pumps market on the basis of capacity?

What is the breakup of the South Korea positive displacement pumps market on the basis of pump characteristics?

What is the breakup of the South Korea positive displacement pumps market on the basis of raw material?

What is the breakup of the South Korea positive displacement pumps market on the basis of end-use industry?

What is the breakup of the South Korea positive displacement pumps market on the

basis of region?

What are the various stages in the value chain of the South Korea positive displacement pumps market?

What are the key driving factors and challenges in the South Korea positive displacement pumps market?

What is the structure of the South Korea positive displacement pumps market and who are the key players?

What is the degree of competition in the South Korea positive displacement pumps market?

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