

Europe Dynamic Pumps Market Size and Forecasts (2020 - 2030), Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (Centrifugal Pumps, Submersible Pumps, Axial Pumps, Others), End-use Industry (Energy & Power, Agriculture, Iron and Steel, Chemical, Oil, Petroleum and Gas Industry, Water and Waste Water Treatment Industry, and Others), and Country

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Abstracts

Europe Dynamic Pumps Market accounted for US\$ 11,171.20 million in the year 2022 and is expected to grow at a CAGR of 4.9 % during the period 2022 - 2030, to account for US\$ 16,415.00 million in the year 2030.

Growing Integration of Advanced Technologies with Pumps

In Europe, there is a rise in the adoption of AI, IoT, predictive analytics, and other digital technologies. The adoption of these technologies improves the dynamic pump efficiency without additional repair and maintenance costs. The IoT-based platform integrates pumps to offer wider flow-control systems. The integration of the IoT and predictive analytics offers real-time and maintenance information through smart sensors that monitor the temperature, pressure, and velocity of the flow. Many companies are developing machine-learning, AI-based algorithms, and IoT-based platforms to process the data of the pumps as it helps to monitor the pump efficiency and collect the information related to optimizing the dynamic pump's health and trigger alerts. These technologies help collect the usage patterns of the pumps to inform the long-term efficiency of the dynamic pumps. A few companies are expanding their product portfolio

with the adoption of these technologies to improve the efficiency of dynamic pumps. For instance, in December 2022, EBARA Pumps Europe S.p.A launched an advanced in-line pump 3E/3ES model that is integrated with eco-dynamic technology for better efficiency and flow control. In May 2023, Alfa Laval launched AI technology-based pump monitoring software that helps to prevent unplanned downtime and enhances the efficiency of the pump. Alfa Laval Analytics software collects and analyzes pump vibration data. In April 2021, Kirloskar Brothers Ltd., the pump manufacturer, integrated an IoT technology-based remote pump monitoring system with its dynamic pump. With the adoption of such smart technologies, the company has gained the first-mover advantage and remains competitive in the global market. Thus, the rising integration of advanced technologies with existing pumps is expected to fuel the growth of the dynamic pumps market in Europe in the coming years.

The European dynamic pumps market by country is classified as Germany, France, Italy, Spain, Russia, Uzbekistan, Benelux, Turkey, and Rest of Europe. Germany accounted for the largest share of the market in 2022 and is expected to continue its dominance throughout the forecast period due to an increase in industrial production activities and growing oil and gas import and export activities, among others. Per the International Energy Agency Report in 2022, the crude oil production in Germany was ~23 million tons. The dynamic pump market in France is driven by increasing pharmaceutical production along with growing investment by the key players in the food & beverages industry. The manufacturing and pharmaceutical sectors require a dynamic pump to process the fluids used in various operations from one place to another. The dynamic pump market in Russia is driven by increasing investment in the energy, power, and oil & gas industries, along with government funding. The oil & gas industry accounted for 16% of Russia's gross domestic product (GDP) in 2023. However, in recent years, the dynamic pump demand has decreased owing to conflicts between Russia and Ukraine. The Rest of Europe includes the UK and Nordic countries such as Sweden, Norway, and Denmark. The increase in investment toward the manufacturing of pharmaceuticals, food, and beverages drives the dynamic pump markets in these countries. The UK witnessed significant growth of the dynamic pump market owing to an increasing number of investments toward water and wastewater-related projects and growth in the food & beverages manufacturing sectors.

Xylem Inc., Flowserve Corporation, Grundfos Holding A/S, EBARA CORPORATION, Sulzer Ltd, ITT Inc, WILO SE, The Gorman-Rupp Co, Torishima Pump Mfg Co Ltd, KSB SE & Co KGaA are among the key dynamic pumps market players profiled during the market study. Many companies are investing in dynamic pumps owing to the potential improvements related to accuracy and operational efficiency. In addition, several other

important dynamic pumps market players operating in the ecosystem were studied and analyzed during this market research study to get a holistic overview of the market.

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