

F R O S T & S U L L I V A N



Market
Engineering

Analysis of the Global Centrifugal Pumps Market, Forecast to 2023

Investments in the Chemical Process and Water and Wastewater Segments Will Drive Market Growth

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Executive Summary

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Key Findings






















- In 2016, the global centrifugal pump market generated revenue of \$28.57 billion. It is projected to grow at a Compound Annual Growth Rate (CAGR) of 2.5% from 2016 to 2023.
- Existing market conditions have had a negative impact on the centrifugal pump market in the short term, particularly due to a decline in investments in the oil and gas industry globally.
- However, demand from the water and wastewater, chemical process, and power generation industries are expected to sustain market growth in the long term of the forecast period.
- Additional deterrents in the market include the recent slowdown in China, which has severely impacted growth in Asia-Pacific centrifugal pump market. A slow but steady recovery is expected to continue in the European market.
- Single-stage and multi-stage pumps were the most widely used in the global pumps market on account of their usage in a large range of applications. In addition, submersible pumps are expected to grow at a high rate during the forecast period.
- The Asia-Pacific (APAC) region had the largest market for centrifugal pumps in 2016 and is also expected to display the highest compound annual growth rate (CAGR) of 3.6% from 2016 to 2023.

Source: Frost & Sullivan

Market Engineering Measurements

Total Centrifugal Pump Market: Market Engineering Measurements, Global, 2016

Market Overview






 Market Stage	 Market Revenue	 Market Units/Volume	 Average Price Per Unit	 Market Size for Last Year of Study Period
Mature	\$28.57 B (2016) 	2.78 M (2016) 	\$850 to \$13,500 	\$34.00 B (2023) 
 Base Year Market Growth Rate	 Compound Annual Growth Rate	 Customer Price Sensitivity	 Degree of Technical Change	 Market Concentration
(1.2%) 	2.5% (CAGR, 2016–2023)	6 (scale:1 [low] to 10 [high]) 	6 (scale:1 [low] to 10 [high]) 	13.6% (market share held by top 3 companies) 
<div>Decreasing  Stable  Increasing </div>				

For a tabular version, [click here](#).



Note: All figures are rounded. The base year is 2016. Source: Frost & Sullivan

Market Engineering Measurements (continued)






Competitor Overview


 Number of Competitors	 Number of Companies that Exited*	 Number of Companies that Entered*	 Replacement Rate	 Attachment Rate
1,380 	2 	0 	3.5 Years 	7.9 
(active market competitors in base year)	(2016)	(2016)	(average period of unit replacement)	(current number of units per user—base year)

Total Addressable Market

 Maximum Attachment Rate
48 
(maximum potential number of units per user—2016)

Industry Advancement

 Average Product Development Time	 Average R&D Spend by Product	 Marketing Spend as a Percent of Market Revenue
2.4 Years 	\$5.0 M 	2.1% 

Decreasing  Stable  Increasing 

*Companies with revenue of more than \$5 Million

Note: All figures are rounded. The base year is 2016. Source: Frost & Sullivan

CEO's Perspective

1

Increased efficiency, decreased energy usage, and advanced pump automation are expected to boost demand.

2

Manufacturers need to diversify away from oil and gas applications in the current market conditions.

3

Emerging regions continue to create new opportunities in the chemical process, power generation, and water and wastewater segments.

4

The growing chemical process industry and petrochemical sector in the United States and Asia-Pacific are expected to boost market growth.

5

Submersible pumps and seal-less technology are gaining prominence in multiple applications.



Source: Frost & Sullivan