

Peristaltic Pump Market to Reach \$2.2 Billion Forecast by 2031 | Boyser, Gilson, Graco

The peristaltic pumps market is growing at a CAGR of 5.9% from 2022 to 2031

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EINPresswire.com/ -- The global [peristaltic pumps market](#) was valued at \$1.2 billion in 2021, and is projected to reach \$2.2 billion by 2031, growing at a CAGR of 5.9% from 2022 to 2031



The Peristaltic Pumps Market has emerged as an indispensable device across various industries, offering a unique and reliable pumping solution for fluid transfer applications. Their distinctive mechanism, based on the peristaltic principle, has positioned them as a preferred choice for handling sensitive and high-purity fluids. This article explores the dynamics of the peristaltic pumps market, delving into key trends, drivers, challenges, and innovations that shape this evolving industry.

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Top Leading Companies: Wanner Engineering, ProMinent Group, Gilson Inc., Ravel Hiteks Pvt. Ltd., Jieheng Peristaltic Pumps Co., Ltd., Pumpsquare Systems LLP, IDEX Corporation, Boyser, Valmet Corp, (Flowrox Oy), Watson-Marlow Fluid Technology Group, Graco Inc., Heidolph Instruments, Verder Group, Randolph Austin, Cole-Parmer Instrument Company LLC, TMVT Industries Pvt. Ltd, FLOWTECH.

Commonly observed types in peristaltic pumps include hose pump, and tube pump. Among these, the tube pump segment accounted for the highest market share in 2021, owing to its high capacity and long life. Further, the dispensing segment under the application registered a higher revenue in 2021, owing to growth of the food & beverage industry. In addition, the market is analyzed between different end-user industries of peristaltic pumps, including food & beverages, and manufacturing. The market is mainly driven by the rise in industries such as pharmaceuticals, and food & beverages, along with other industries.

Peristaltic pumps operate on the principle of peristalsis, mimicking the natural rhythmic contraction and relaxation of muscles. The pump features a flexible tube that is compressed by a rotor or roller, creating a vacuum that draws fluid through the tube. As the tube relaxes, the fluid is pushed out in a pulsatile manner. This design has proven effective for applications where precise and gentle fluid handling is crucial, such as pharmaceuticals, biotechnology, food and beverage, water treatment and more.

As a result, companies are increasingly incorporating peristaltic pumps into their processes. Expanding Applications in Water and Wastewater Treatment: The water and wastewater treatment sector is witnessing a surge in peristaltic pump adoption. These pumps offer precise and controlled fluid transfer, making them ideal for dosing chemicals in water treatment processes. Overcoming cost constraints remains a challenge for market players seeking widespread adoption across various industries.

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Peristaltic pumps are widely utilized in pharmaceutical manufacturing and medical applications due to their ability to maintain the integrity of sensitive fluids and ensure accurate dosing. The increasing demand for pharmaceuticals and advancements in medical treatments contribute significantly to the market's growth. Rising Awareness of Peristaltic Pump Benefits: Industries are becoming more aware of the advantages of peristaltic pumps, including their contamination-free operation, easy maintenance, and ability to handle abrasive or shear-sensitive fluids.

However, limited applications and frequent maintenance of peristaltic pumps facilities constraints the peristaltic pumps market growth. Furthermore, on the basis of the end-user industry, the manufacturing segment is anticipated to grow rapidly during the forecast period, owing to increased demand for manufactured products such as cosmetics, chemicals and pharmaceuticals. The new facility will be dedicated to its range of industry-leading products, including peristaltic pumps, tubing, fluid path solutions and Biopure components. This expansion will help the company to gain more customers and better serve the existing customers in the region.

The peristaltic pumps market is experiencing steady growth driven by advancements in technology, increasing awareness of their benefits, and expanding applications across diverse industries. As innovation continues to shape the market landscape, peristaltic pumps are poised to remain a vital component in fluid transfer processes, ensuring precision, reliability, and efficiency across various sectors.

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