

Fermenters Market Size, Share & Trends Analysis Report By Mode Of Operation, By Process, By Microorganisms, By Application (Food & Beverage, Healthcare, & Cosmetics), By Region, And Segment Forecasts, 2024 - 2030

<https://marketpublishers.com/r/F8735229B6ABEN.html>

Date: July 2024

Pages: 125

Price: US\$ 5,950.00 (Single User License)

ID: F8735229B6ABEN

Abstracts

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Fermenters Market Growth & Trends

The global fermenters market size is anticipated to reach USD 2.96 billion by 2030 and is anticipated to expand at a CAGR of 8.4% during the forecast period, according to a new report by Grand View Research, Inc. The rapidly growing fermented beverages industry is likely to drive the demand for fermenters in the coming years.

Fermentation is a key process in the production of various food and beverage products, such as yogurt, beer, mead, kvass, kombucha, cheese, and wine. As the global population grows, so does the demand for these products, driving the need for fermenters.

Many industries are shifting towards bio-based production methods to reduce environmental impact and reliance on fossil fuels. Fermenters are essential in the production of biofuels, bioplastics, and biochemicals, which is driving the demand for the market across the globe.

Fermentation is also one of the most preferred methods of food preservation because of the health benefits offered through this process. During this process,

microorganisms produce lactic acid and acetic acid, which are also called bio-preservatives. These help retain nutritional benefits and prevent food spoilage.

Fermenters are usually made using stainless steel because of their several advantages, such as reusability, ease of sanitization, and durability. Furthermore, the adoption of stainless steel fermenters for large-scale production of metabolites in developed regions, including North America and Europe, has contributed to the rising demand for fermenters at a global level.

Asia Pacific is expected to be the fastest growing region owing to the growing adoption rate of fermented food items along with a rise in the number of investment strategies by product manufacturers to meet the product demand. The region is among the key producers of probiotic-based foods, beverages, and dietary supplements, along with innovations in the confectionery, dessert, and fermented food industries. This, in turn, is likely to positively boost the demand for fermenters over the forecast period.

Fermenters Market Report Highlights

The automatic mode of operation is expected to grow at the fastest CAGR in 2023. This is attributable to its ability to ensure consistent environmental conditions, such as temperature, nutrient levels, agitation, etc., throughout the fermentation process.

The batch process is expected to grow at the fastest CAGR over the forecast period due to its versatility and ability to accommodate different types of fermentation, allowing for the production of various products with minimal changes to the equipment setup.

The fungi segment is likely to grow at the fastest rate on account of their ability to convert sugars into alcohol and carbon dioxide through the process of anaerobic respiration,

The pharmaceutical application is expected to grow at the fastest CAGR over the forecast period. This is attributed to their

ability to produce various cost-efficient pharmaceutical products such as drugs, vaccines, and other biologicals.

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