

Fermenters Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/F5A5A6F7F74EEN.html>

Date: November 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: F5A5A6F7F74EEN

Abstracts

The global fermenters market size reached US\$ 1.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.3 Billion by 2028, exhibiting a growth rate (CAGR) of 6.24% during 2022-2028.

Fermenters, also known as stirred-tank bioreactors, are small, economical, sterilized process vessels used to cultivate heterotrophic microalgae. They use probes, sensors, and controlled clean-in-place systems to monitor conditions and maintain optimal levels of microbial growth. At present, they are utilized to manufacture a broad range of products, such as vinegar, cellulose, ethanol, protease, lipase, amylase, streptomycin, citric acid, lactic acid, and glutamic acid. These products find extensive applications in the pulp and paper production, biological wastewater treatment, and industrial solvents worldwide.

Fermenters Market Trends:

Fermenters can produce large yields quickly, tolerate unusual growth conditions like acidic or high temperatures and be genetically modified. As a result, they are widely utilized in the pharmaceutical industry to produce a wide range of chemical compounds, enzymes, and drugs. The escalating demand for these drugs on account of the rising prevalence of infectious and chronic diseases represents one of the major factors influencing the market positively. Apart from this, the fermentation process destroys harmful microorganisms and chemicals and adds beneficial bacteria that aids in digestion. As a result, fermenters are finding applications in the food and beverage (F&B) industry to preserve and alter the texture of soy products, dairy items, grains, and vegetables. Moreover, the increasing awareness among individuals about the health benefits of consuming fermented food products, which include improving the intestinal tract, immune system, and bioavailability of nutrients, and reducing the chances of

lactose intolerance, allergy, and cancers, is contributing to market growth. Furthermore, fermenters can be incorporated with advanced technologies to facilitate process monitoring, data acquisition and storage, error detection, filtering, unit conversion, and measurement calculations, which is impelling the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global fermenters market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on process, mode of operation, material and end user.

Breakup by Process:

- Batch
- Fed-Batch
- Continuous

Breakup by Mode of Operation:

- Semi-Automatic
- Automatic

Breakup by Material:

- Stainless-Steel
- Glass

Breakup by End User:

- Food and Beverages
- Pharmaceutical
- Personal Care
- Others

Breakup by Region:

- North America
- United States
- Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Applikon Biotechnology B.V. (Getinge AB), bbi-biotech GmbH, Bioengineering AG, CerCell A/S, Electrolab Biotech Ltd, GEA Group Aktiengesellschaft, General Electric Company, Pierre Guérin SAS (ENGIE Group Company), Sartorius AG, Thermo Fisher Scientific Inc. and ZETA Holding GmbH.

Key Questions Answered in This Report:

How has the global fermenters market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global fermenters market?

What are the key regional markets?

What is the breakup of the market based on the process?

What is the breakup of the market based on the mode of operation?

What is the breakup of the market based on the material?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global fermenters market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL FERMENTERS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PROCESS

- 6.1 Batch
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Fed-Batch
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Continuous

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY MODE OF OPERATION

7.1 Semi-Automatic

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Automatic

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY MATERIAL

8.1 Stainless-Steel

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Glass

8.2.1 Market Trends

8.2.2 Market Forecast

9 MARKET BREAKUP BY END USER

9.1 Food and Beverages

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Pharmaceutical

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Personal Care

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Others

9.4.1 Market Trends

9.4.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

- 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
- 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
- 10.2 Asia-Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
 - 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy

- 10.3.4.1 Market Trends
- 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview

- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Applikon Biotechnology B.V. (Getinge AB)
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.2 bbi-biotech GmbH
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.3 Bioengineering AG
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.4 CerCell A/S
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.5 Electrolab Biotech Ltd
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.6 GEA Group Aktiengesellschaft
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
 - 15.3.7 General Electric Company
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
 - 15.3.7.4 SWOT Analysis
 - 15.3.8 Pierre Gu?rin SAS (ENGIE Group Company)

- 15.3.8.1 Company Overview
- 15.3.8.2 Product Portfolio
- 15.3.9 Sartorius AG
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis
- 15.3.10 Thermo Fisher Scientific Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11 ZETA Holding GmbH
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Fermenters Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Fermenters Market Forecast: Breakup by Process (in Million US\$), 2023-2028

Table 3: Global: Fermenters Market Forecast: Breakup by Mode of Operation (in Million US\$), 2023-2028

Table 4: Global: Fermenters Market Forecast: Breakup by Material (in Million US\$), 2023-2028

Table 5: Global: Fermenters Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 6: Global: Fermenters Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Fermenters Market: Competitive Structure

Table 8: Global: Fermenters Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Fermenters Market: Major Drivers and Challenges
- Figure 2: Global: Fermenters Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Fermenters Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 4: Global: Fermenters Market: Breakup by Process (in %), 2022
- Figure 5: Global: Fermenters Market: Breakup by Mode of Operation (in %), 2022
- Figure 6: Global: Fermenters Market: Breakup by Material (in %), 2022
- Figure 7: Global: Fermenters Market: Breakup by End User (in %), 2022
- Figure 8: Global: Fermenters Market: Breakup by Region (in %), 2022
- Figure 9: Global: Fermenters (Batch) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 10: Global: Fermenters (Batch) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 11: Global: Fermenters (Fed-Batch) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 12: Global: Fermenters (Fed-Batch) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 13: Global: Fermenters (Continuous) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 14: Global: Fermenters (Continuous) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 15: Global: Fermenters (Semi-Automatic) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 16: Global: Fermenters (Semi-Automatic) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 17: Global: Fermenters (Automatic) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 18: Global: Fermenters (Automatic) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 19: Global: Fermenters (Stainless-Steel) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 20: Global: Fermenters (Stainless-Steel) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 21: Global: Fermenters (Glass) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 22: Global: Fermenters (Glass) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Fermenters (Food and Beverages) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Fermenters (Food and Beverages) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Fermenters (Pharmaceutical) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Fermenters (Pharmaceutical) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Fermenters (Personal Care) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Fermenters (Personal Care) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Fermenters (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Fermenters (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: North America: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: North America: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: United States: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: United States: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Canada: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Canada: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Asia-Pacific: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Asia-Pacific: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: China: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: China: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Japan: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Japan: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: India: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: India: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: South Korea: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: South Korea: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Australia: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Australia: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Indonesia: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Indonesia: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Others: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Others: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Europe: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Europe: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Germany: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Germany: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: France: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: France: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: United Kingdom: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: United Kingdom: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Italy: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Italy: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Spain: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Spain: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Russia: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Russia: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Others: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Others: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Latin America: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Latin America: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Brazil: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Brazil: Fermenters Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Mexico: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Mexico: Fermenters Market Forecast: Sales Value (in Million US\$),

2023-2028

Figure 75: Others: Fermenters Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Others: Fermenters Market Forecast: Sales Value (in Million US\$),
2023-2028

Figure 77: Middle East and Africa: Fermenters Market: Sales Value (in Million US\$),
2017 & 2022

Figure 78: Middle East and Africa: Fermenters Market: Breakup by Country (in %), 2022

Figure 79: Middle East and Africa: Fermenters Market Forecast: Sales Value (in Million
US\$), 2023-2028

Figure 80: Global: Fermenters Industry: SWOT Analysis

Figure 81: Global: Fermenters Industry: Value Chain Analysis

Figure 82: Global: Fermenters Industry: Porter's Five Forces Analysis

I would like to order

Product name: Fermenters Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/F5A5A6F7F74EEN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F5A5A6F7F74EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

