

Global Production-grade Biopharmaceutical Equipment Market Growth (Status and Outlook) 2026-2032

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Abstracts

The global Production-grade Biopharmaceutical Equipment market size is predicted to grow from US\$ 13760 million in 2025 to US\$ 21423 million in 2032; it is expected to grow at a CAGR of 6.8% from 2026 to 2032.

In the biopharmaceutical field, the equipment configuration is most complete and the process requirements are most stringent during the large-scale production stage. Manufacturing activities in this industry typically revolve around 'cell or microbial amplification?product expression?harvesting and clarification?purification and refining?concentration and fluid exchange?aseptic assurance and formulation,' with production organization exhibiting significant high cleanliness, high consistency, and strong validation attributes. From the perspective of equipment placement, bioreactors, single-use bioreactors, fermenters, and storage systems primarily undertake cell culture or virus amplification tasks in the production of antibody drugs, recombinant protein drugs, and vaccine bulk solutions; depth filtration, centrifuges, TFF systems, chromatography systems, and sterile filtration constitute the main body of downstream purification, used for cell removal, target protein capture, virus removal, concentration, and buffer replacement; and solution preparation systems, online solution preparation, and CIP cleaning systems serve the preparation of culture media, buffers, and formulation solutions, and undertake batch-to-batch switching and validation cleaning tasks. For cell therapy products such as CAR-T, although the overall production volume is smaller than that of monoclonal antibodies, they rely more heavily on closed fluid pathways, aseptic connections, and automated cell processing platforms. For small nucleic acid drugs, the purification and medium-change processes are more sensitive to membrane systems and chromatography platforms. Overall, in the biopharmaceutical field, equipment used in large-scale production and purification stages not only performs

manufacturing functions but also serves as the underlying support for drug quality consistency, regulatory compliance, and commercial scale-up.

Changes in the policy environment often create new growth opportunities for industries. Currently, major global economies are placing biomanufacturing on their strategic agendas, and a series of favorable policies are significantly expanding the market space for biomanufacturing equipment. For example, after the outbreak of the pandemic, countries realized the importance of domestic biopharmaceutical production capacity, and governments led or supported the construction of vaccine and biopharmaceutical factories, directly driving large-scale procurement of related equipment. The United States, through legislation such as the National Biomanufacturing Initiative and the CHIPS and Science Act, has invested billions of dollars to strengthen its domestic biotechnology supply chain, not only encouraging companies to increase R&D, but also using some funds directly to purchase key equipment such as advanced bioreactors and aseptic filling equipment. China has introduced industrial policies to support the localization of high-end biopharmaceutical equipment, providing preferential treatment in terms of funding, land use, and taxation, enabling domestic equipment manufacturers to accelerate their growth under the favorable policy environment. For equipment companies, actively positioning themselves in line with these policy directions can fully share in the policy dividends.

The continued high-speed growth of the pharmaceutical sector is paramount: In recent years, the proportion of biopharmaceuticals in the global pharmaceutical market has been continuously increasing, and multiple new therapy pipelines have entered the commercialization stage, generating a large demand for new production capacity. The global market for biopharmaceutical process equipment and consumables is experiencing rapid growth. This rapid growth directly reflects the strong demand for equipment driven by the expansion of downstream biopharmaceutical production capacity. In the coming years, a large number of new antibody drug, vaccine, and gene therapy production lines will be built and put into operation, leading to a steady increase in orders for various fermenters, cell culture systems, and purification equipment. For equipment suppliers, this is the most crucial and sustainable market driver.

LPI (LP Information)' newest research report, the "Production-grade Biopharmaceutical Equipment Industry Forecast" looks at past sales and reviews total world Production-grade Biopharmaceutical Equipment sales in 2025, providing a comprehensive analysis by region and market sector of projected Production-grade Biopharmaceutical Equipment sales for 2026 through 2032. With Production-grade Biopharmaceutical Equipment sales broken down by region, market sector and sub-sector, this report

provides a detailed analysis in US\$ millions of the world Production-grade Biopharmaceutical Equipment industry.

This Insight Report provides a comprehensive analysis of the global Production-grade Biopharmaceutical Equipment landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Production-grade Biopharmaceutical Equipment portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Production-grade Biopharmaceutical Equipment market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Production-grade Biopharmaceutical Equipment and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Production-grade Biopharmaceutical Equipment.

This report presents a comprehensive overview, market shares, and growth opportunities of Production-grade Biopharmaceutical Equipment market by product type, application, key players and key regions and countries.

Segmentation by Type:

Raw Material Handling and Preparation Equipment

Material Conveying Equipment

Air Supply Engineering Equipment

Bioreactors and Fermenters

Separation and Purification Equipment

Evaporation and Crystallization Equipment

Drying Equipment

Cleaning Equipment

Others

Segmentation by Process:

Based on Single-use Process

Based on Reusable Process

Segmentation by Bio-fermentation Capacity:

?2000L

2000-5000L

?5000L

Segmentation by Application:

Macromolecular Biopharmaceuticals

Small Molecule Chemical Drugs

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Danaher

Sartorius

Merck KGaA

GEA

ALFA LAVAL

Morimatsu Industry

Sulzer Ltd

Tofflon

SPX Flow

Lisure Science

AUSTAR Group

TruKing Technology

Pierre Guerin

EastBio

Krones AG

ABEC

Flottweg SE

Tomoe

Jiangsu Zhengchang Group

DCI, Inc.

Greatwall Mixers

EKATO

Jiangsu Hanbon

Cotter Brothers Corporation

Holloway America

BHS-Sonthofen GmbH

Actini Group

Shanghai Triowin Intelligent Machinery

YMC CO., LTD.

Ohkawara Kakohki Co., Ltd.

Suntar Environmental Technology

Buss-SMS-Canzler GmbH

TECNIC

Jiangsu Jiuwu Hi-Tech

Hengfengtai

Beijing ChuangXinTongHeng

BIIC Bianchi SpA

Alsys Group

Solaris Biotech

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Production-grade Biopharmaceutical Equipment Market Size (2021-2032)
- 2.1.2 Production-grade Biopharmaceutical Equipment Market Size CAGR by Region (2021 VS 2025 VS 2032)
- 2.1.3 World Current & Future Analysis for Production-grade Biopharmaceutical Equipment by Country/Region (2021, 2025 & 2032)

2.2 Production-grade Biopharmaceutical Equipment Segment by Type

- 2.2.1 Raw Material Handling and Preparation Equipment
- 2.2.2 Material Conveying Equipment
- 2.2.3 Air Supply Engineering Equipment
- 2.2.4 Bioreactors and Fermenters
- 2.2.5 Separation and Purification Equipment
- 2.2.6 Evaporation and Crystallization Equipment
- 2.2.7 Drying Equipment
- 2.2.8 Cleaning Equipment
- 2.2.9 Others
- 2.2.10 Production-grade Biopharmaceutical Equipment Market Size by Type
 - 2.2.10.1 Production-grade Biopharmaceutical Equipment Market Size CAGR by Type (2021 VS 2025 VS 2032)
 - 2.2.10.2 Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Type (2021-2026)

2.3 Production-grade Biopharmaceutical Equipment Segment by Process

- 2.3.1 Based on Single-use Process
- 2.3.2 Based on Reusable Process

- 2.3.3 Production-grade Biopharmaceutical Equipment Market Size by Process
 - 2.3.3.1 Production-grade Biopharmaceutical Equipment Market Size CAGR by Process (2021 VS 2025 VS 2032)
 - 2.3.3.2 Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Process (2021-2026)
- 2.4 Production-grade Biopharmaceutical Equipment Segment by Bio-fermentation Capacity
 - 2.4.1 ?2000L
 - 2.4.2 2000-5000L
 - 2.4.3 ?5000L
 - 2.4.4 Production-grade Biopharmaceutical Equipment Market Size by Bio-fermentation Capacity
 - 2.4.4.1 Production-grade Biopharmaceutical Equipment Market Size CAGR by Bio-fermentation Capacity (2021 VS 2025 VS 2032)
 - 2.4.4.2 Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Bio-fermentation Capacity (2021-2026)
- 2.5 Production-grade Biopharmaceutical Equipment Segment by Application
 - 2.5.1 Macromolecular Biopharmaceuticals
 - 2.5.2 Small Molecule Chemical Drugs
 - 2.5.3 Production-grade Biopharmaceutical Equipment Market Size by Application
 - 2.5.3.1 Production-grade Biopharmaceutical Equipment Market Size CAGR by Application (2021 VS 2025 VS 2032)
 - 2.5.3.2 Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Application (2021-2026)

3 PRODUCTION-GRADE BIOPHARMACEUTICAL EQUIPMENT MARKET SIZE BY PLAYER

- 3.1 Production-grade Biopharmaceutical Equipment Market Size Market Share by Player
 - 3.1.1 Global Production-grade Biopharmaceutical Equipment Revenue by Player (2021-2026)
 - 3.1.2 Global Production-grade Biopharmaceutical Equipment Revenue Market Share by Player (2021-2026)
- 3.2 Global Production-grade Biopharmaceutical Equipment Key Players Head office and Products Offered
- 3.3 Market Concentration Rate Analysis
 - 3.3.1 Competition Landscape Analysis
 - 3.3.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.4 New Products and Potential Entrants

3.5 Mergers & Acquisitions, Expansion

4 PRODUCTION-GRADE BIOPHARMACEUTICAL EQUIPMENT BY REGION

4.1 Production-grade Biopharmaceutical Equipment Market Size by Region (2021-2026)

4.2 Global Production-grade Biopharmaceutical Equipment Annual Revenue by Country/Region (2021-2026)

4.3 Americas Production-grade Biopharmaceutical Equipment Market Size Growth (2021-2026)

4.4 APAC Production-grade Biopharmaceutical Equipment Market Size Growth (2021-2026)

4.5 Europe Production-grade Biopharmaceutical Equipment Market Size Growth (2021-2026)

4.6 Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size Growth (2021-2026)

5 AMERICAS

5.1 Americas Production-grade Biopharmaceutical Equipment Market Size by Country (2021-2026)

5.2 Americas Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026)

5.3 Americas Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Production-grade Biopharmaceutical Equipment Market Size by Region (2021-2026)

6.2 APAC Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026)

6.3 APAC Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026)

6.4 China

- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

7 EUROPE

- 7.1 Europe Production-grade Biopharmaceutical Equipment Market Size by Country (2021-2026)
- 7.2 Europe Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026)
- 7.3 Europe Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Production-grade Biopharmaceutical Equipment by Region (2021-2026)
- 8.2 Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026)
- 8.3 Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 GLOBAL PRODUCTION-GRADE BIOPHARMACEUTICAL EQUIPMENT MARKET FORECAST

10.1 Global Production-grade Biopharmaceutical Equipment Forecast by Region (2027-2032)

10.1.1 Global Production-grade Biopharmaceutical Equipment Forecast by Region (2027-2032)

10.1.2 Americas Production-grade Biopharmaceutical Equipment Forecast

10.1.3 APAC Production-grade Biopharmaceutical Equipment Forecast

10.1.4 Europe Production-grade Biopharmaceutical Equipment Forecast

10.1.5 Middle East & Africa Production-grade Biopharmaceutical Equipment Forecast

10.2 Americas Production-grade Biopharmaceutical Equipment Forecast by Country (2027-2032)

10.2.1 United States Market Production-grade Biopharmaceutical Equipment Forecast

10.2.2 Canada Market Production-grade Biopharmaceutical Equipment Forecast

10.2.3 Mexico Market Production-grade Biopharmaceutical Equipment Forecast

10.2.4 Brazil Market Production-grade Biopharmaceutical Equipment Forecast

10.3 APAC Production-grade Biopharmaceutical Equipment Forecast by Region (2027-2032)

10.3.1 China Production-grade Biopharmaceutical Equipment Market Forecast

10.3.2 Japan Market Production-grade Biopharmaceutical Equipment Forecast

10.3.3 Korea Market Production-grade Biopharmaceutical Equipment Forecast

10.3.4 Southeast Asia Market Production-grade Biopharmaceutical Equipment

Forecast

10.3.5 India Market Production-grade Biopharmaceutical Equipment Forecast

10.3.6 Australia Market Production-grade Biopharmaceutical Equipment Forecast

10.4 Europe Production-grade Biopharmaceutical Equipment Forecast by Country (2027-2032)

10.4.1 Germany Market Production-grade Biopharmaceutical Equipment Forecast

10.4.2 France Market Production-grade Biopharmaceutical Equipment Forecast

10.4.3 UK Market Production-grade Biopharmaceutical Equipment Forecast

10.4.4 Italy Market Production-grade Biopharmaceutical Equipment Forecast

10.4.5 Russia Market Production-grade Biopharmaceutical Equipment Forecast

10.5 Middle East & Africa Production-grade Biopharmaceutical Equipment Forecast by Region (2027-2032)

10.5.1 Egypt Market Production-grade Biopharmaceutical Equipment Forecast

10.5.2 South Africa Market Production-grade Biopharmaceutical Equipment Forecast

10.5.3 Israel Market Production-grade Biopharmaceutical Equipment Forecast

- 10.5.4 Turkey Market Production-grade Biopharmaceutical Equipment Forecast
- 10.6 Global Production-grade Biopharmaceutical Equipment Forecast by Type (2027-2032)
- 10.7 Global Production-grade Biopharmaceutical Equipment Forecast by Application (2027-2032)
 - 10.7.1 GCC Countries Market Production-grade Biopharmaceutical Equipment Forecast

11 KEY PLAYERS ANALYSIS

11.1 Danaher

- 11.1.1 Danaher Company Information
- 11.1.2 Danaher Production-grade Biopharmaceutical Equipment Product Offered
- 11.1.3 Danaher Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.1.4 Danaher Main Business Overview
- 11.1.5 Danaher Latest Developments

11.2 Sartorius

- 11.2.1 Sartorius Company Information
- 11.2.2 Sartorius Production-grade Biopharmaceutical Equipment Product Offered
- 11.2.3 Sartorius Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.2.4 Sartorius Main Business Overview
- 11.2.5 Sartorius Latest Developments

11.3 Merck KGaA

- 11.3.1 Merck KGaA Company Information
- 11.3.2 Merck KGaA Production-grade Biopharmaceutical Equipment Product Offered
- 11.3.3 Merck KGaA Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.3.4 Merck KGaA Main Business Overview
- 11.3.5 Merck KGaA Latest Developments

11.4 GEA

- 11.4.1 GEA Company Information
- 11.4.2 GEA Production-grade Biopharmaceutical Equipment Product Offered
- 11.4.3 GEA Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.4.4 GEA Main Business Overview
- 11.4.5 GEA Latest Developments

11.5 ALFA LAVAL

- 11.5.1 ALFA LAVAL Company Information
- 11.5.2 ALFA LAVAL Production-grade Biopharmaceutical Equipment Product Offered
- 11.5.3 ALFA LAVAL Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.5.4 ALFA LAVAL Main Business Overview
- 11.5.5 ALFA LAVAL Latest Developments
- 11.6 Morimatsu Industry
 - 11.6.1 Morimatsu Industry Company Information
 - 11.6.2 Morimatsu Industry Production-grade Biopharmaceutical Equipment Product Offered
 - 11.6.3 Morimatsu Industry Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.6.4 Morimatsu Industry Main Business Overview
 - 11.6.5 Morimatsu Industry Latest Developments
- 11.7 Sulzer Ltd
 - 11.7.1 Sulzer Ltd Company Information
 - 11.7.2 Sulzer Ltd Production-grade Biopharmaceutical Equipment Product Offered
 - 11.7.3 Sulzer Ltd Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.7.4 Sulzer Ltd Main Business Overview
 - 11.7.5 Sulzer Ltd Latest Developments
- 11.8 Tofflon
 - 11.8.1 Tofflon Company Information
 - 11.8.2 Tofflon Production-grade Biopharmaceutical Equipment Product Offered
 - 11.8.3 Tofflon Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.8.4 Tofflon Main Business Overview
 - 11.8.5 Tofflon Latest Developments
- 11.9 SPX Flow
 - 11.9.1 SPX Flow Company Information
 - 11.9.2 SPX Flow Production-grade Biopharmaceutical Equipment Product Offered
 - 11.9.3 SPX Flow Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.9.4 SPX Flow Main Business Overview
 - 11.9.5 SPX Flow Latest Developments
- 11.10 Lisure Science
 - 11.10.1 Lisure Science Company Information
 - 11.10.2 Lisure Science Production-grade Biopharmaceutical Equipment Product Offered

- 11.10.3 Lisure Science Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.10.4 Lisure Science Main Business Overview
- 11.10.5 Lisure Science Latest Developments
- 11.11 AUSTAR Group
 - 11.11.1 AUSTAR Group Company Information
 - 11.11.2 AUSTAR Group Production-grade Biopharmaceutical Equipment Product Offered
 - 11.11.3 AUSTAR Group Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.11.4 AUSTAR Group Main Business Overview
 - 11.11.5 AUSTAR Group Latest Developments
- 11.12 Truking Technology
 - 11.12.1 Truking Technology Company Information
 - 11.12.2 Truking Technology Production-grade Biopharmaceutical Equipment Product Offered
 - 11.12.3 Truking Technology Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.12.4 Truking Technology Main Business Overview
 - 11.12.5 Truking Technology Latest Developments
- 11.13 Pierre Guerin
 - 11.13.1 Pierre Guerin Company Information
 - 11.13.2 Pierre Guerin Production-grade Biopharmaceutical Equipment Product Offered
 - 11.13.3 Pierre Guerin Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.13.4 Pierre Guerin Main Business Overview
 - 11.13.5 Pierre Guerin Latest Developments
- 11.14 EastBio
 - 11.14.1 EastBio Company Information
 - 11.14.2 EastBio Production-grade Biopharmaceutical Equipment Product Offered
 - 11.14.3 EastBio Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.14.4 EastBio Main Business Overview
 - 11.14.5 EastBio Latest Developments
- 11.15 Krones AG
 - 11.15.1 Krones AG Company Information
 - 11.15.2 Krones AG Production-grade Biopharmaceutical Equipment Product Offered
 - 11.15.3 Krones AG Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)

- 11.15.4 Kronos AG Main Business Overview
- 11.15.5 Kronos AG Latest Developments
- 11.16 ABEC
 - 11.16.1 ABEC Company Information
 - 11.16.2 ABEC Production-grade Biopharmaceutical Equipment Product Offered
 - 11.16.3 ABEC Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.16.4 ABEC Main Business Overview
 - 11.16.5 ABEC Latest Developments
- 11.17 Flottweg SE
 - 11.17.1 Flottweg SE Company Information
 - 11.17.2 Flottweg SE Production-grade Biopharmaceutical Equipment Product Offered
 - 11.17.3 Flottweg SE Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.17.4 Flottweg SE Main Business Overview
 - 11.17.5 Flottweg SE Latest Developments
- 11.18 Tomoe
 - 11.18.1 Tomoe Company Information
 - 11.18.2 Tomoe Production-grade Biopharmaceutical Equipment Product Offered
 - 11.18.3 Tomoe Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.18.4 Tomoe Main Business Overview
 - 11.18.5 Tomoe Latest Developments
- 11.19 Jiangsu Zhengchang Group
 - 11.19.1 Jiangsu Zhengchang Group Company Information
 - 11.19.2 Jiangsu Zhengchang Group Production-grade Biopharmaceutical Equipment Product Offered
 - 11.19.3 Jiangsu Zhengchang Group Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.19.4 Jiangsu Zhengchang Group Main Business Overview
 - 11.19.5 Jiangsu Zhengchang Group Latest Developments
- 11.20 DCI, Inc.
 - 11.20.1 DCI, Inc. Company Information
 - 11.20.2 DCI, Inc. Production-grade Biopharmaceutical Equipment Product Offered
 - 11.20.3 DCI, Inc. Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.20.4 DCI, Inc. Main Business Overview
 - 11.20.5 DCI, Inc. Latest Developments
- 11.21 Greatwall Mixers

- 11.21.1 Greatwall Mixers Company Information
- 11.21.2 Greatwall Mixers Production-grade Biopharmaceutical Equipment Product Offered
- 11.21.3 Greatwall Mixers Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.21.4 Greatwall Mixers Main Business Overview
- 11.21.5 Greatwall Mixers Latest Developments
- 11.22 EKATO
 - 11.22.1 EKATO Company Information
 - 11.22.2 EKATO Production-grade Biopharmaceutical Equipment Product Offered
 - 11.22.3 EKATO Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.22.4 EKATO Main Business Overview
 - 11.22.5 EKATO Latest Developments
- 11.23 Jiangsu Hanbon
 - 11.23.1 Jiangsu Hanbon Company Information
 - 11.23.2 Jiangsu Hanbon Production-grade Biopharmaceutical Equipment Product Offered
 - 11.23.3 Jiangsu Hanbon Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.23.4 Jiangsu Hanbon Main Business Overview
 - 11.23.5 Jiangsu Hanbon Latest Developments
- 11.24 Cotter Brothers Corporation
 - 11.24.1 Cotter Brothers Corporation Company Information
 - 11.24.2 Cotter Brothers Corporation Production-grade Biopharmaceutical Equipment Product Offered
 - 11.24.3 Cotter Brothers Corporation Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.24.4 Cotter Brothers Corporation Main Business Overview
 - 11.24.5 Cotter Brothers Corporation Latest Developments
- 11.25 Holloway America
 - 11.25.1 Holloway America Company Information
 - 11.25.2 Holloway America Production-grade Biopharmaceutical Equipment Product Offered
 - 11.25.3 Holloway America Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.25.4 Holloway America Main Business Overview
 - 11.25.5 Holloway America Latest Developments
- 11.26 BHS-Sonthofen GmbH

- 11.26.1 BHS-Sonthofen GmbH Company Information
- 11.26.2 BHS-Sonthofen GmbH Production-grade Biopharmaceutical Equipment Product Offered
- 11.26.3 BHS-Sonthofen GmbH Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.26.4 BHS-Sonthofen GmbH Main Business Overview
- 11.26.5 BHS-Sonthofen GmbH Latest Developments
- 11.27 Actini Group
 - 11.27.1 Actini Group Company Information
 - 11.27.2 Actini Group Production-grade Biopharmaceutical Equipment Product Offered
 - 11.27.3 Actini Group Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.27.4 Actini Group Main Business Overview
 - 11.27.5 Actini Group Latest Developments
- 11.28 Shanghai Triowin Intelligent Machinery
 - 11.28.1 Shanghai Triowin Intelligent Machinery Company Information
 - 11.28.2 Shanghai Triowin Intelligent Machinery Production-grade Biopharmaceutical Equipment Product Offered
 - 11.28.3 Shanghai Triowin Intelligent Machinery Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.28.4 Shanghai Triowin Intelligent Machinery Main Business Overview
 - 11.28.5 Shanghai Triowin Intelligent Machinery Latest Developments
- 11.29 YMC CO., LTD.
 - 11.29.1 YMC CO., LTD. Company Information
 - 11.29.2 YMC CO., LTD. Production-grade Biopharmaceutical Equipment Product Offered
 - 11.29.3 YMC CO., LTD. Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.29.4 YMC CO., LTD. Main Business Overview
 - 11.29.5 YMC CO., LTD. Latest Developments
- 11.30 Ohkawara Kakohki Co., Ltd.
 - 11.30.1 Ohkawara Kakohki Co., Ltd. Company Information
 - 11.30.2 Ohkawara Kakohki Co., Ltd. Production-grade Biopharmaceutical Equipment Product Offered
 - 11.30.3 Ohkawara Kakohki Co., Ltd. Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.30.4 Ohkawara Kakohki Co., Ltd. Main Business Overview
 - 11.30.5 Ohkawara Kakohki Co., Ltd. Latest Developments
- 11.31 Suntar Environmental Technology

- 11.31.1 Suntar Environmental Technology Company Information
- 11.31.2 Suntar Environmental Technology Production-grade Biopharmaceutical Equipment Product Offered
- 11.31.3 Suntar Environmental Technology Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
- 11.31.4 Suntar Environmental Technology Main Business Overview
- 11.31.5 Suntar Environmental Technology Latest Developments
- 11.32 Buss-SMS-Canzler GmbH
 - 11.32.1 Buss-SMS-Canzler GmbH Company Information
 - 11.32.2 Buss-SMS-Canzler GmbH Production-grade Biopharmaceutical Equipment Product Offered
 - 11.32.3 Buss-SMS-Canzler GmbH Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.32.4 Buss-SMS-Canzler GmbH Main Business Overview
 - 11.32.5 Buss-SMS-Canzler GmbH Latest Developments
- 11.33 TECNIC
 - 11.33.1 TECNIC Company Information
 - 11.33.2 TECNIC Production-grade Biopharmaceutical Equipment Product Offered
 - 11.33.3 TECNIC Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.33.4 TECNIC Main Business Overview
 - 11.33.5 TECNIC Latest Developments
- 11.34 Jiangsu Jiuwu Hi-Tech
 - 11.34.1 Jiangsu Jiuwu Hi-Tech Company Information
 - 11.34.2 Jiangsu Jiuwu Hi-Tech Production-grade Biopharmaceutical Equipment Product Offered
 - 11.34.3 Jiangsu Jiuwu Hi-Tech Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.34.4 Jiangsu Jiuwu Hi-Tech Main Business Overview
 - 11.34.5 Jiangsu Jiuwu Hi-Tech Latest Developments
- 11.35 Hengfengtai
 - 11.35.1 Hengfengtai Company Information
 - 11.35.2 Hengfengtai Production-grade Biopharmaceutical Equipment Product Offered
 - 11.35.3 Hengfengtai Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)
 - 11.35.4 Hengfengtai Main Business Overview
 - 11.35.5 Hengfengtai Latest Developments
- 11.36 Beijing ChuangXinTongHeng
 - 11.36.1 Beijing ChuangXinTongHeng Company Information

11.36.2 Beijing ChuangXinTongHeng Production-grade Biopharmaceutical Equipment Product Offered

11.36.3 Beijing ChuangXinTongHeng Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)

11.36.4 Beijing ChuangXinTongHeng Main Business Overview

11.36.5 Beijing ChuangXinTongHeng Latest Developments

11.37 BIIIC Bianchi SpA

11.37.1 BIIIC Bianchi SpA Company Information

11.37.2 BIIIC Bianchi SpA Production-grade Biopharmaceutical Equipment Product Offered

11.37.3 BIIIC Bianchi SpA Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)

11.37.4 BIIIC Bianchi SpA Main Business Overview

11.37.5 BIIIC Bianchi SpA Latest Developments

11.38 Alsys Group

11.38.1 Alsys Group Company Information

11.38.2 Alsys Group Production-grade Biopharmaceutical Equipment Product Offered

11.38.3 Alsys Group Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)

11.38.4 Alsys Group Main Business Overview

11.38.5 Alsys Group Latest Developments

11.39 Solaris Biotech

11.39.1 Solaris Biotech Company Information

11.39.2 Solaris Biotech Production-grade Biopharmaceutical Equipment Product Offered

11.39.3 Solaris Biotech Production-grade Biopharmaceutical Equipment Revenue, Gross Margin and Market Share (2021-2026)

11.39.4 Solaris Biotech Main Business Overview

11.39.5 Solaris Biotech Latest Developments

12 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Production-grade Biopharmaceutical Equipment Market Size CAGR by Region (2021 VS 2025 VS 2032) & (\$ millions)

Table 2. Production-grade Biopharmaceutical Equipment Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Raw Material Handling and Preparation Equipment

Table 4. Major Players of Material Conveying Equipment

Table 5. Major Players of Air Supply Engineering Equipment

Table 6. Major Players of Bioreactors and Fermenters

Table 7. Major Players of Separation and Purification Equipment

Table 8. Major Players of Evaporation and Crystallization Equipment

Table 9. Major Players of Drying Equipment

Table 10. Major Players of Cleaning Equipment

Table 11. Major Players of Others

Table 12. Production-grade Biopharmaceutical Equipment Market Size CAGR by Type (2021 VS 2025 VS 2032) & (\$ millions)

Table 13. Global Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026) & (\$ millions)

Table 14. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Type (2021-2026)

Table 15. Major Players of Based on Single-use Process

Table 16. Major Players of Based on Reusable Process

Table 17. Production-grade Biopharmaceutical Equipment Market Size CAGR by Process (2021 VS 2025 VS 2032) & (\$ millions)

Table 18. Global Production-grade Biopharmaceutical Equipment Market Size by Process (2021-2026) & (\$ millions)

Table 19. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Process (2021-2026)

Table 20. Major Players of ?2000L

Table 21. Major Players of 2000-5000L

Table 22. Major Players of ?5000L

Table 23. Production-grade Biopharmaceutical Equipment Market Size CAGR by Bio-fermentation Capacity (2021 VS 2025 VS 2032) & (\$ millions)

Table 24. Global Production-grade Biopharmaceutical Equipment Market Size by Bio-fermentation Capacity (2021-2026) & (\$ millions)

Table 25. Global Production-grade Biopharmaceutical Equipment Market Size Market

Share by Bio-fermentation Capacity (2021-2026)

Table 26. Production-grade Biopharmaceutical Equipment Market Size CAGR by Application (2021 VS 2025 VS 2032) & (\$ millions)

Table 27. Global Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026) & (\$ millions)

Table 28. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Application (2021-2026)

Table 29. Global Production-grade Biopharmaceutical Equipment Revenue by Player (2021-2026) & (\$ millions)

Table 30. Global Production-grade Biopharmaceutical Equipment Revenue Market Share by Player (2021-2026)

Table 31. Production-grade Biopharmaceutical Equipment Key Players Head office and Products Offered

Table 32. Production-grade Biopharmaceutical Equipment Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 33. New Products and Potential Entrants

Table 34. Mergers & Acquisitions, Expansion

Table 35. Global Production-grade Biopharmaceutical Equipment Market Size by Region (2021-2026) & (\$ millions)

Table 36. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Region (2021-2026)

Table 37. Global Production-grade Biopharmaceutical Equipment Revenue by Country/Region (2021-2026) & (\$ millions)

Table 38. Global Production-grade Biopharmaceutical Equipment Revenue Market Share by Country/Region (2021-2026)

Table 39. Americas Production-grade Biopharmaceutical Equipment Market Size by Country (2021-2026) & (\$ millions)

Table 40. Americas Production-grade Biopharmaceutical Equipment Market Size Market Share by Country (2021-2026)

Table 41. Americas Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026) & (\$ millions)

Table 42. Americas Production-grade Biopharmaceutical Equipment Market Size Market Share by Type (2021-2026)

Table 43. Americas Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026) & (\$ millions)

Table 44. Americas Production-grade Biopharmaceutical Equipment Market Size Market Share by Application (2021-2026)

Table 45. APAC Production-grade Biopharmaceutical Equipment Market Size by Region (2021-2026) & (\$ millions)

Table 46. APAC Production-grade Biopharmaceutical Equipment Market Size Market Share by Region (2021-2026)

Table 47. APAC Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026) & (\$ millions)

Table 48. APAC Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026) & (\$ millions)

Table 49. Europe Production-grade Biopharmaceutical Equipment Market Size by Country (2021-2026) & (\$ millions)

Table 50. Europe Production-grade Biopharmaceutical Equipment Market Size Market Share by Country (2021-2026)

Table 51. Europe Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026) & (\$ millions)

Table 52. Europe Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026) & (\$ millions)

Table 53. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size by Region (2021-2026) & (\$ millions)

Table 54. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size by Type (2021-2026) & (\$ millions)

Table 55. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size by Application (2021-2026) & (\$ millions)

Table 56. Key Market Drivers & Growth Opportunities of Production-grade Biopharmaceutical Equipment

Table 57. Key Market Challenges & Risks of Production-grade Biopharmaceutical Equipment

Table 58. Key Industry Trends of Production-grade Biopharmaceutical Equipment

Table 59. Global Production-grade Biopharmaceutical Equipment Market Size Forecast by Region (2027-2032) & (\$ millions)

Table 60. Global Production-grade Biopharmaceutical Equipment Market Size Market Share Forecast by Region (2027-2032)

Table 61. Global Production-grade Biopharmaceutical Equipment Market Size Forecast by Type (2027-2032) & (\$ millions)

Table 62. Global Production-grade Biopharmaceutical Equipment Market Size Forecast by Application (2027-2032) & (\$ millions)

Table 63. Danaher Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 64. Danaher Production-grade Biopharmaceutical Equipment Product Offered

Table 65. Danaher Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 66. Danaher Main Business

Table 67. Danaher Latest Developments

Table 68. Sartorius Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 69. Sartorius Production-grade Biopharmaceutical Equipment Product Offered

Table 70. Sartorius Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 71. Sartorius Main Business

Table 72. Sartorius Latest Developments

Table 73. Merck KGaA Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 74. Merck KGaA Production-grade Biopharmaceutical Equipment Product Offered

Table 75. Merck KGaA Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 76. Merck KGaA Main Business

Table 77. Merck KGaA Latest Developments

Table 78. GEA Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 79. GEA Production-grade Biopharmaceutical Equipment Product Offered

Table 80. GEA Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 81. GEA Main Business

Table 82. GEA Latest Developments

Table 83. ALFA LAVAL Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 84. ALFA LAVAL Production-grade Biopharmaceutical Equipment Product Offered

Table 85. ALFA LAVAL Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 86. ALFA LAVAL Main Business

Table 87. ALFA LAVAL Latest Developments

Table 88. Morimatsu Industry Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 89. Morimatsu Industry Production-grade Biopharmaceutical Equipment Product Offered

Table 90. Morimatsu Industry Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 91. Morimatsu Industry Main Business

Table 92. Morimatsu Industry Latest Developments

Table 93. Sulzer Ltd Details, Company Type, Production-grade Biopharmaceutical

Equipment Area Served and Its Competitors

Table 94. Sulzer Ltd Production-grade Biopharmaceutical Equipment Product Offered

Table 95. Sulzer Ltd Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 96. Sulzer Ltd Main Business

Table 97. Sulzer Ltd Latest Developments

Table 98. Tofflon Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 99. Tofflon Production-grade Biopharmaceutical Equipment Product Offered

Table 100. Tofflon Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 101. Tofflon Main Business

Table 102. Tofflon Latest Developments

Table 103. SPX Flow Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 104. SPX Flow Production-grade Biopharmaceutical Equipment Product Offered

Table 105. SPX Flow Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 106. SPX Flow Main Business

Table 107. SPX Flow Latest Developments

Table 108. Lisure Science Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 109. Lisure Science Production-grade Biopharmaceutical Equipment Product Offered

Table 110. Lisure Science Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 111. Lisure Science Main Business

Table 112. Lisure Science Latest Developments

Table 113. AUSTAR Group Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 114. AUSTAR Group Production-grade Biopharmaceutical Equipment Product Offered

Table 115. AUSTAR Group Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 116. AUSTAR Group Main Business

Table 117. AUSTAR Group Latest Developments

Table 118. Truiking Technology Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 119. Truiking Technology Production-grade Biopharmaceutical Equipment

Product Offered

Table 120. TruKing Technology Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 121. TruKing Technology Main Business

Table 122. TruKing Technology Latest Developments

Table 123. Pierre Guerin Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 124. Pierre Guerin Production-grade Biopharmaceutical Equipment Product Offered

Table 125. Pierre Guerin Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 126. Pierre Guerin Main Business

Table 127. Pierre Guerin Latest Developments

Table 128. EastBio Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 129. EastBio Production-grade Biopharmaceutical Equipment Product Offered

Table 130. EastBio Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 131. EastBio Main Business

Table 132. EastBio Latest Developments

Table 133. Krones AG Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 134. Krones AG Production-grade Biopharmaceutical Equipment Product Offered

Table 135. Krones AG Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 136. Krones AG Main Business

Table 137. Krones AG Latest Developments

Table 138. ABEC Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 139. ABEC Production-grade Biopharmaceutical Equipment Product Offered

Table 140. ABEC Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 141. ABEC Main Business

Table 142. ABEC Latest Developments

Table 143. Flottweg SE Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 144. Flottweg SE Production-grade Biopharmaceutical Equipment Product Offered

Table 145. Flottweg SE Production-grade Biopharmaceutical Equipment Revenue (\$

million), Gross Margin and Market Share (2021-2026)

Table 146. Flottweg SE Main Business

Table 147. Flottweg SE Latest Developments

Table 148. Tomoe Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 149. Tomoe Production-grade Biopharmaceutical Equipment Product Offered

Table 150. Tomoe Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 151. Tomoe Main Business

Table 152. Tomoe Latest Developments

Table 153. Jiangsu Zhengchang Group Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 154. Jiangsu Zhengchang Group Production-grade Biopharmaceutical Equipment Product Offered

Table 155. Jiangsu Zhengchang Group Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 156. Jiangsu Zhengchang Group Main Business

Table 157. Jiangsu Zhengchang Group Latest Developments

Table 158. DCI, Inc. Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 159. DCI, Inc. Production-grade Biopharmaceutical Equipment Product Offered

Table 160. DCI, Inc. Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 161. DCI, Inc. Main Business

Table 162. DCI, Inc. Latest Developments

Table 163. Greatwall Mixers Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 164. Greatwall Mixers Production-grade Biopharmaceutical Equipment Product Offered

Table 165. Greatwall Mixers Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 166. Greatwall Mixers Main Business

Table 167. Greatwall Mixers Latest Developments

Table 168. EKATO Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 169. EKATO Production-grade Biopharmaceutical Equipment Product Offered

Table 170. EKATO Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 171. EKATO Main Business

Table 172. EKATO Latest Developments

Table 173. Jiangsu Hanbon Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 174. Jiangsu Hanbon Production-grade Biopharmaceutical Equipment Product Offered

Table 175. Jiangsu Hanbon Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 176. Jiangsu Hanbon Main Business

Table 177. Jiangsu Hanbon Latest Developments

Table 178. Cotter Brothers Corporation Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 179. Cotter Brothers Corporation Production-grade Biopharmaceutical Equipment Product Offered

Table 180. Cotter Brothers Corporation Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 181. Cotter Brothers Corporation Main Business

Table 182. Cotter Brothers Corporation Latest Developments

Table 183. Holloway America Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 184. Holloway America Production-grade Biopharmaceutical Equipment Product Offered

Table 185. Holloway America Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 186. Holloway America Main Business

Table 187. Holloway America Latest Developments

Table 188. BHS-Sonthofen GmbH Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 189. BHS-Sonthofen GmbH Production-grade Biopharmaceutical Equipment Product Offered

Table 190. BHS-Sonthofen GmbH Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 191. BHS-Sonthofen GmbH Main Business

Table 192. BHS-Sonthofen GmbH Latest Developments

Table 193. Actini Group Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 194. Actini Group Production-grade Biopharmaceutical Equipment Product Offered

Table 195. Actini Group Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 196. Actini Group Main Business

Table 197. Actini Group Latest Developments

Table 198. Shanghai Triowin Intelligent Machinery Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 199. Shanghai Triowin Intelligent Machinery Production-grade Biopharmaceutical Equipment Product Offered

Table 200. Shanghai Triowin Intelligent Machinery Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 201. Shanghai Triowin Intelligent Machinery Main Business

Table 202. Shanghai Triowin Intelligent Machinery Latest Developments

Table 203. YMC CO., LTD. Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 204. YMC CO., LTD. Production-grade Biopharmaceutical Equipment Product Offered

Table 205. YMC CO., LTD. Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 206. YMC CO., LTD. Main Business

Table 207. YMC CO., LTD. Latest Developments

Table 208. Ohkawara Kakohki Co., Ltd. Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 209. Ohkawara Kakohki Co., Ltd. Production-grade Biopharmaceutical Equipment Product Offered

Table 210. Ohkawara Kakohki Co., Ltd. Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 211. Ohkawara Kakohki Co., Ltd. Main Business

Table 212. Ohkawara Kakohki Co., Ltd. Latest Developments

Table 213. Suntar Environmental Technology Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 214. Suntar Environmental Technology Production-grade Biopharmaceutical Equipment Product Offered

Table 215. Suntar Environmental Technology Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 216. Suntar Environmental Technology Main Business

Table 217. Suntar Environmental Technology Latest Developments

Table 218. Buss-SMS-Canzler GmbH Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 219. Buss-SMS-Canzler GmbH Production-grade Biopharmaceutical Equipment Product Offered

Table 220. Buss-SMS-Canzler GmbH Production-grade Biopharmaceutical Equipment

Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 221. Buss-SMS-Canzler GmbH Main Business

Table 222. Buss-SMS-Canzler GmbH Latest Developments

Table 223. TECNIC Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 224. TECNIC Production-grade Biopharmaceutical Equipment Product Offered

Table 225. TECNIC Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 226. TECNIC Main Business

Table 227. TECNIC Latest Developments

Table 228. Jiangsu Jiuwu Hi-Tech Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 229. Jiangsu Jiuwu Hi-Tech Production-grade Biopharmaceutical Equipment Product Offered

Table 230. Jiangsu Jiuwu Hi-Tech Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 231. Jiangsu Jiuwu Hi-Tech Main Business

Table 232. Jiangsu Jiuwu Hi-Tech Latest Developments

Table 233. Hengfengtai Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 234. Hengfengtai Production-grade Biopharmaceutical Equipment Product Offered

Table 235. Hengfengtai Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 236. Hengfengtai Main Business

Table 237. Hengfengtai Latest Developments

Table 238. Beijing ChuangXinTongHeng Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 239. Beijing ChuangXinTongHeng Production-grade Biopharmaceutical Equipment Product Offered

Table 240. Beijing ChuangXinTongHeng Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 241. Beijing ChuangXinTongHeng Main Business

Table 242. Beijing ChuangXinTongHeng Latest Developments

Table 243. BIIC Bianchi SpA Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 244. BIIC Bianchi SpA Production-grade Biopharmaceutical Equipment Product Offered

Table 245. BIIC Bianchi SpA Production-grade Biopharmaceutical Equipment Revenue

(\$ million), Gross Margin and Market Share (2021-2026)

Table 246. BIIC Bianchi SpA Main Business

Table 247. BIIC Bianchi SpA Latest Developments

Table 248. Alsys Group Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 249. Alsys Group Production-grade Biopharmaceutical Equipment Product Offered

Table 250. Alsys Group Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 251. Alsys Group Main Business

Table 252. Alsys Group Latest Developments

Table 253. Solaris Biotech Details, Company Type, Production-grade Biopharmaceutical Equipment Area Served and Its Competitors

Table 254. Solaris Biotech Production-grade Biopharmaceutical Equipment Product Offered

Table 255. Solaris Biotech Production-grade Biopharmaceutical Equipment Revenue (\$ million), Gross Margin and Market Share (2021-2026)

Table 256. Solaris Biotech Main Business

Table 257. Solaris Biotech Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Production-grade Biopharmaceutical Equipment Report Years Considered

Figure 2. Research Objectives

Figure 3. Research Methodology

Figure 4. Research Process and Data Source

Figure 5. Global Production-grade Biopharmaceutical Equipment Market Size Growth Rate (2021-2032) (\$ millions)

Figure 6. Production-grade Biopharmaceutical Equipment Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 7. Production-grade Biopharmaceutical Equipment Sales Market Share by Country/Region (2025)

Figure 8. Production-grade Biopharmaceutical Equipment Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 9. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Type in 2025

Figure 10. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Process in 2025

Figure 11. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Bio-fermentation Capacity in 2025

Figure 12. Production-grade Biopharmaceutical Equipment in Macromolecular Biopharmaceuticals

Figure 13. Global Production-grade Biopharmaceutical Equipment Market: Macromolecular Biopharmaceuticals (2021-2026) & (\$ millions)

Figure 14. Production-grade Biopharmaceutical Equipment in Small Molecule Chemical Drugs

Figure 15. Global Production-grade Biopharmaceutical Equipment Market: Small Molecule Chemical Drugs (2021-2026) & (\$ millions)

Figure 16. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Application in 2025

Figure 17. Global Production-grade Biopharmaceutical Equipment Revenue Market Share by Player in 2025

Figure 18. Global Production-grade Biopharmaceutical Equipment Market Size Market Share by Region (2021-2026)

Figure 19. Americas Production-grade Biopharmaceutical Equipment Market Size 2021-2026 (\$ millions)

Figure 20. APAC Production-grade Biopharmaceutical Equipment Market Size

2021-2026 (\$ millions)

Figure 21. Europe Production-grade Biopharmaceutical Equipment Market Size

2021-2026 (\$ millions)

Figure 22. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size 2021-2026 (\$ millions)

Figure 23. Americas Production-grade Biopharmaceutical Equipment Value Market Share by Country in 2025

Figure 24. United States Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 25. Canada Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 26. Mexico Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 27. Brazil Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 28. APAC Production-grade Biopharmaceutical Equipment Market Size Market Share by Region in 2025

Figure 29. APAC Production-grade Biopharmaceutical Equipment Market Size Market Share by Type (2021-2026)

Figure 30. APAC Production-grade Biopharmaceutical Equipment Market Size Market Share by Application (2021-2026)

Figure 31. China Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 32. Japan Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 33. South Korea Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 34. Southeast Asia Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 35. India Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 36. Australia Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 37. Europe Production-grade Biopharmaceutical Equipment Market Size Market Share by Country in 2025

Figure 38. Europe Production-grade Biopharmaceutical Equipment Market Size Market Share by Type (2021-2026)

Figure 39. Europe Production-grade Biopharmaceutical Equipment Market Size Market Share by Application (2021-2026)

Figure 40. Germany Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 41. France Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 42. UK Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 43. Italy Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 44. Russia Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 45. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size Market Share by Region (2021-2026)

Figure 46. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size Market Share by Type (2021-2026)

Figure 47. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size Market Share by Application (2021-2026)

Figure 48. Egypt Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 49. South Africa Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 50. Israel Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 51. Turkey Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 52. GCC Countries Production-grade Biopharmaceutical Equipment Market Size Growth 2021-2026 (\$ millions)

Figure 53. Americas Production-grade Biopharmaceutical Equipment Market Size 2027-2032 (\$ millions)

Figure 54. APAC Production-grade Biopharmaceutical Equipment Market Size 2027-2032 (\$ millions)

Figure 55. Europe Production-grade Biopharmaceutical Equipment Market Size 2027-2032 (\$ millions)

Figure 56. Middle East & Africa Production-grade Biopharmaceutical Equipment Market Size 2027-2032 (\$ millions)

Figure 57. United States Production-grade Biopharmaceutical Equipment Market Size 2027-2032 (\$ millions)

Figure 58. Canada Production-grade Biopharmaceutical Equipment Market Size 2027-2032 (\$ millions)

Figure 59. Mexico Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 60. Brazil Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 61. China Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 62. Japan Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 63. Korea Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 64. Southeast Asia Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 65. India Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 66. Australia Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 67. Germany Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 68. France Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 69. UK Production-grade Biopharmaceutical Equipment Market Size 2027-2032

(\$ millions)

Figure 70. Italy Production-grade Biopharmaceutical Equipment Market Size 2027-2032

(\$ millions)

Figure 71. Russia Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 72. Egypt Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 73. South Africa Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 74. Israel Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 75. Turkey Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

Figure 76. Global Production-grade Biopharmaceutical Equipment Market Size Market Share Forecast by Type (2027-2032)

Figure 77. Global Production-grade Biopharmaceutical Equipment Market Size Market Share Forecast by Application (2027-2032)

Figure 78. GCC Countries Production-grade Biopharmaceutical Equipment Market Size

2027-2032 (\$ millions)

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