

# Bioprocess Automation and Control Software Market - 2024-2032

<https://marketpublishers.com/r/B8EA4F0ACBF6EN.html>

Date: July 2025

Pages: 219

Price: US\$ 2,999.00 (Single User License)

ID: B8EA4F0ACBF6EN

## Abstracts

The Bioprocess Automation and Control Software Market was valued at US\$ 4.96 billion in 2024 and is anticipated to reach US\$ 13.59 billion by 2032, at a CAGR of 0.137 from 2026 to 2032.

The report delivers in-depth insights into key market dynamics, including regional growth trends, market segmentation, CAGR projections, and the revenue performance of leading industry players. It also highlights major growth drivers shaping the market landscape. Designed to provide a clear and comprehensive perspective, the report offers a detailed view of the current market size in terms of both value and volume, along with emerging opportunities and the overall development outlook of the Bioprocess Automation and Control Software Market.

This report delivers a comprehensive overview of the Bioprocess Automation and Control Software Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Bioprocess Automation and Control Software Market. The Bioprocess Automation and Control Software Market size, estimates, and forecasts are provided in terms of output/shipments (K MT) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

Bioprocess Automation and Control Software Market Scope:

By Software Type

Bioprocess Control Software

Data Management and Analytics Software

Quality Management Software (QMS)

Laboratory Information Management Systems (LIMS)

Manufacturing Execution Systems

#### By Deployment

On-Premises

Cloud-based

Hybrid

#### By Application

Upstream Processing

Downstream Processing

Bioprocess Monitoring

R&D and Process Development

Process Optimization and Scale-Up

#### By End-User

Biopharmaceutical and Pharmaceutical Companies

Contract Manufacturing Organizations

Academic and Research Institutes

Food and Beverage Industry

Others

## Key Players

Thermo Fisher Scientific Inc.

Merck KGaA

Sartorius AG

SECURECELL AG

Emerson Electric Co.

Agilent Technologies, Inc

Siemens AG

Cytiva (Danaher Corporation)

Eppendorf SE

Waters Corporation

## Major Highlights

This report delivers a comprehensive overview of the Bioprocess Automation and Control Software Market, with both quantitative and qualitative analyses, to help readers develop growth strategies, assess the competitive landscape, evaluate their position in the current market, and make informed business decisions regarding Bioprocess Automation and Control Software Market. The Bioprocess Automation and Control Software Market size, estimates, and forecasts are provided in terms of output/shipments (K Sqm) and revenue (US\$ millions), with 2025 as the base year and historical and forecast data for 2024–2032.

This report will assist keyword manufacturers, new entrants, and companies across the industry value chain with information on revenues, production, and average prices for the overall market and its sub-segments, by company, by Type, by Application, and by region.

#### Regional Analysis:

North America (U.S., Canada, Mexico)

Europe (U.K., Italy, Germany, Russia, France, Spain, The Netherlands and Rest of Europe)

Asia-Pacific (India, Japan, China, South Korea, Australia, Indonesia Rest of Asia Pacific)

South America (Colombia, Brazil, Argentina, Rest of South America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of Middle East & Africa)

#### Partner Identification

Increase Your Customer Base by 3X using our Partner Identification tool

Uncover strategic collaboration opportunities with DataM vetted partners aligned to your ecosystem.

Identify high potential M&A targets based on synergies, market positioning and growth trajectory.

Prioritize partners by strategic fit rather than general capability.

#### Why Choose DataM?

Data-Driven Insights: Dive into detailed analyses with granular insights such as pricing, market shares and value chain evaluations, enriched by interviews with

industry leaders and disruptors.

**Post-Purchase Support and Expert Analyst Consultations:** As a valued client, gain direct access to our expert analysts for personalized advice and strategic guidance, tailored to your specific needs and challenges.

**White Papers and Case Studies:** Benefit quarterly from our in-depth studies related to your purchased titles, tailored to refine your operational and marketing strategies for maximum impact.

**Annual Updates on Purchased Reports:** As an existing customer, enjoy the privilege of annual updates to your reports, ensuring you stay abreast of the latest market insights and technological advancements. Terms and conditions apply.

**Specialized Focus on Emerging Markets:** DataM differentiates itself by delivering in-depth, specialized insights specifically for emerging markets, rather than offering generalized geographic overviews. This approach equips our clients with a nuanced understanding and actionable intelligence that are essential for navigating and succeeding in high-growth regions.

**Value of DataM Reports:** Our reports offer specialized insights tailored to the latest trends and specific business inquiries. This personalized approach provides a deeper, strategic perspective, ensuring you receive the precise information necessary to make informed decisions. These insights complement and go beyond what is typically available in generic databases.

## Target Audience 2026

Manufacturers/ Buyers

Industry Investors/Investment Bankers

Research Professionals

Emerging Companies

## Contents

### **1. METHODOLOGY AND SCOPE**

- 1.1. Research Methodology
- 1.2. Research Objective and Scope of the Report

### **2. DEFINITION AND OVERVIEW**

### **3. EXECUTIVE SUMMARY**

- 3.1. Snippet by Software Type
- 3.2. Snippet by Deployment
- 3.3. Snippet by Application
- 3.4. Snippet by End-User
- 3.5. Snippet by Region

### **4. DYNAMICS**

- 4.1. Impacting Factors
  - 4.1.1. Drivers
    - 4.1.1.1. Rising Demand for Biopharmaceuticals and Biologics
  - 4.1.2. Restraints
    - 4.1.2.1. Data Privacy and Security Concerns
  - 4.1.3. Opportunity
  - 4.1.4. Impact Analysis

### **5. INDUSTRY ANALYSIS**

- 5.1. Porter's Five Force Analysis
- 5.2. Supply Chain Analysis
- 5.3. Pricing Analysis
- 5.4. Regulatory and Compliance Analysis
- 5.5. Sustainability Analysis
- 5.6. DMI Opinion

### **6. BY SOFTWARE TYPE**

- 6.1. Introduction

- 6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Software Type
- 6.1.2. Market Attractiveness Index, By Software Type
- 6.2. Bioprocess Control Software\*
  - 6.2.1. Introduction
  - 6.2.2. Market Size Analysis, US\$ Million, 2023-2033 and Y-o-Y Growth Analysis (%), 2025-2033
  - 6.2.3. Single-Use Bioreactor Control Software
  - 6.2.4. Multi-use Bioreactor Control Software
- 6.3. Data Management and Analytics Software
  - 6.3.1. Data Integration Software
  - 6.3.2. Data Visualization Tools
- 6.4. Quality Management Software (QMS)
- 6.5. Laboratory Information Management Systems (LIMS)
  - 6.5.1. Sample Management Software
  - 6.5.2. Inventory Management
  - 6.5.3. Workflow Management
- 6.6. Manufacturing Execution Systems
  - 6.6.1. Production Tracking Software
  - 6.6.2. Quality Management Modules

## **7. BY DEPLOYMENT**

- 7.1. Introduction
  - 7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment
  - 7.1.2. Market Attractiveness Index, By Deployment
- 7.2. On-Premises\*
  - 7.2.1. Introduction
  - 7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 7.3. Cloud-based
- 7.4. Hybrid

## **8. BY APPLICATION**

- 8.1. Introduction
  - 8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
  - 8.1.2. Market Attractiveness Index, By Application
- 8.2. Upstream Processing\*
  - 8.2.1. Introduction
  - 8.2.2. Market Size Analysis, US\$ Million, 2023-2033 and Y-o-Y Growth Analysis (%),

2025-2033

8.2.3. Cell Culture Automation

8.2.4. Microbial Fermentation Control

8.2.5. Media Preparation

8.2.6. Others

8.3. Downstream Processing

8.3.1. Filtration and Separation Control

8.3.2. Chromatography Control Software

8.3.3. Others

8.4. Bioprocess Monitoring

8.5. R&D and Process Development

8.6. Process Optimization and Scale-Up

## **9. BY END-USER**

9.1. Introduction

9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

9.1.2. Market Attractiveness Index, By End-User

9.2. Biopharmaceutical and Pharmaceutical Companies\*

9.2.1. Introduction

9.2.2. Market Size Analysis, US\$ Million, 2023-2033 and Y-o-Y Growth Analysis (%),  
2025-2033

9.3. Contract Manufacturing Organizations

9.4. Academic and Research Institutes

9.5. Food and Beverage Industry

9.6. Others

## **10. BY REGION**

10.1. Introduction

10.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Region

10.1.2. Market Attractiveness Index, By Region

10.2. North America

10.2.1. Introduction

10.2.2. Key Region-Specific Dynamics

10.2.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Software Type

10.2.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment

10.2.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

10.2.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

- 10.2.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
  - 10.2.7.1. US
  - 10.2.7.2. Canada
  - 10.2.7.3. Mexico
- 10.3. Europe
  - 10.3.1. Introduction
  - 10.3.2. Key Region-Specific Dynamics
  - 10.3.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Software Type
  - 10.3.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment
  - 10.3.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
  - 10.3.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User
  - 10.3.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
    - 10.3.7.1. Germany
    - 10.3.7.2. UK
    - 10.3.7.3. France
    - 10.3.7.4. Italy
    - 10.3.7.5. Spain
    - 10.3.7.6. Rest of Europe
- 10.4. South America
  - 10.4.1. Introduction
  - 10.4.2. Key Region-Specific Dynamics
  - 10.4.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Software Type
  - 10.4.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment
  - 10.4.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
  - 10.4.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User
  - 10.4.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
    - 10.4.7.1. Brazil
    - 10.4.7.2. Argentina
    - 10.4.7.3. Rest of South America
- 10.5. Asia-Pacific
  - 10.5.1. Introduction
  - 10.5.2. Key Region-Specific Dynamics
  - 10.5.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Software Type
  - 10.5.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment
  - 10.5.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application
  - 10.5.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User
  - 10.5.7. Market Size Analysis and Y-o-Y Growth Analysis (%), By Country
    - 10.5.7.1. China
    - 10.5.7.2. India

10.5.7.3. Japan

10.5.7.4. Australia

10.5.7.5. Rest of Asia-Pacific

10.6. Middle East and Africa

10.6.1. Introduction

10.6.2. Key Region-Specific Dynamics

10.6.3. Market Size Analysis and Y-o-Y Growth Analysis (%), By Software Type

10.6.4. Market Size Analysis and Y-o-Y Growth Analysis (%), By Deployment

10.6.5. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

10.6.6. Market Size Analysis and Y-o-Y Growth Analysis (%), By End-User

## **11. COMPETITIVE LANDSCAPE**

11.1. Competitive Scenario

11.2. Market Positioning/Share Analysis

11.3. Mergers and Acquisitions Analysis

## **12. COMPANY PROFILES**

12.1. Thermo Fisher Scientific Inc.\*

12.1.1. Company Overview

12.1.2. Product Portfolio and Description

12.1.3. Key Highlights

12.1.4. Financial Overview

12.2. Merck KGaA

12.3. Sartorius AG

12.4. SECURECELL AG

12.5. Emerson Electric Co.

12.6. Agilent Technologies, Inc

12.7. Siemens AG

12.8. Cytiva (Danaher Corporation)

12.9. Eppendorf SE

12.10. Waters Corporation (\*LIST NOT EXHAUSTIVE)

## **13. APPENDIX**

13.1. About Us and Services

13.2. Contact Us

## I would like to order

Product name: Bioprocess Automation and Control Software Market - 2024-2032

Product link: <https://marketpublishers.com/r/B8EA4F0ACBF6EN.html>

Price: US\$ 2,999.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B8EA4F0ACBF6EN.html>