

# Bioprocess Controllers and Automation Systems Market, 2021-2030

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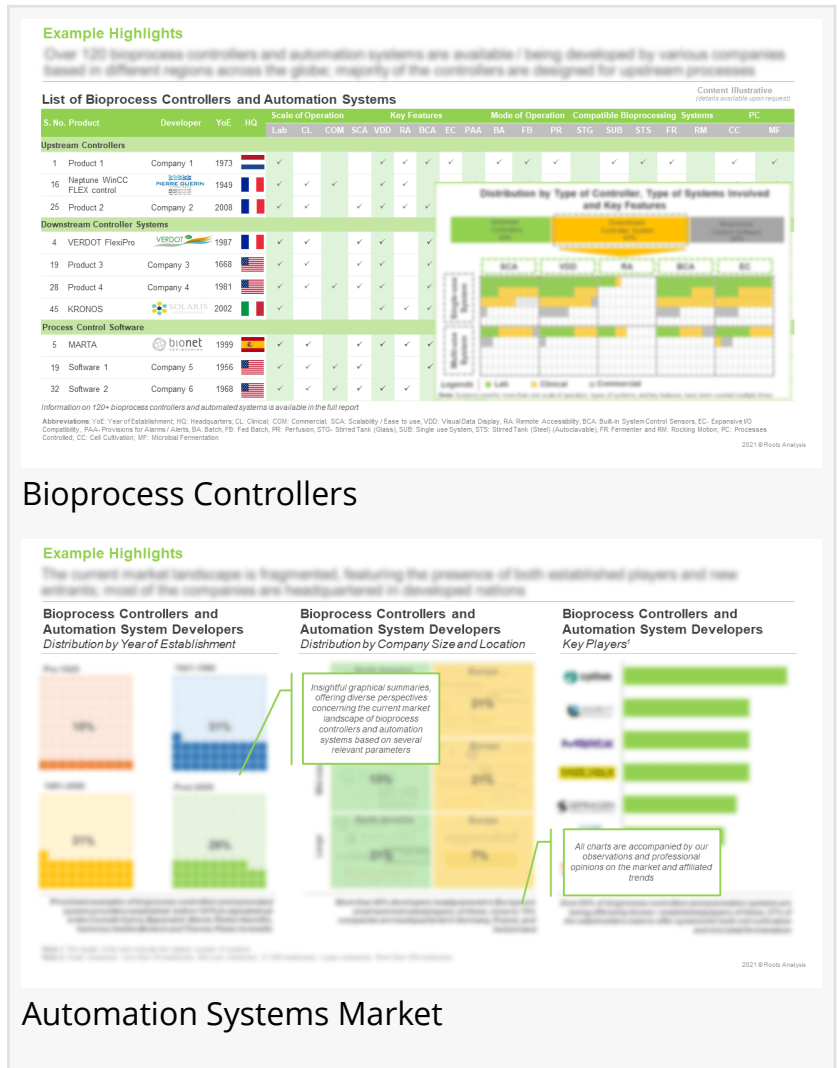
LONDON, ENGLAND, UNITED KINGDOM, October 8, 2021

[/EINPresswire.com/](https://www.einpresswire.com/) -- Owing to their advanced features and cost saving potential, [bioprocess controllers](#) and automation systems have been adopted widely by stakeholders in order to optimize and fasten the manufacturing process of biologics

[Roots Analysis](#) has announced the addition of "Bioprocess Controllers and Automation Systems Market, 2021-2030" report to its list of offerings.

The bioprocess controllers and automation systems have turned out to be a process optimization solution for the biopharmaceutical industries, overcoming the inadequacies of the traditional bioreactor systems. Amidst the COVID-19 pandemic, the increasing demand for biologics has led to the surge in the adoption rate of the aforementioned systems. As a result, several bioprocess equipment developers stepped up to offer more controlled and automated systems in order to increase the productivity, shorten production timelines, reduce cost of goods, and increase flexibility of the bioprocess.

To order this 230+ page report, which features 105+ figures and 105+ tables, please visit <https://www.rootsanalysis.com/reports/bioprocess-controllers-and-automation-systems-market.html>



**Example Highlights**

Over 120 bioprocess controllers and automation systems are available, being developed by various companies. Below are a few global examples of the controllers are designed for upstream processes.

S.No.	Product	Developer	YOE	HQ	Scale of Operation					Key Features					Mode of Operation						Compatible Bioprocessing Systems				PC
					Lab	CL	COM	SCA	VDD	RA	BCA	EC	PAA	BA	FB	PR	STG	SUB	STS	FR	RM	CC	MF		
<b>Upstream Controllers</b>																									
1	Product 1	Company 1	1973	FR	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
16	Nexture WwCC FLEX control	BIOPROCESS OUTLINE	1949	FR	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						
25	Product 2	Company 2	2008	FR	✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓						
<b>Downstream Controller Systems</b>																									
4	VERDOT FlexPro	VERDOT	1987	FR	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
19	Product 3	Company 3	1968	US	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
28	Product 4	Company 4	1981	US	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
45	KROMOS	NOVALAB	2002	ES	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
<b>Process Control Software</b>																									
5	MARTA	bionet	1999	ES	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
19	Software 1	Company 5	1956	US	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
32	Software 2	Company 6	1968	US	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

Information on 120+ bioprocess controllers and automated systems is available in the full report

Abbreviations: YO: Year of Establishment; HQ: Headquarters; CL: Clinical; COM: Commercial; SCA: Scalability / Ease to use; VDD: Visual/Data Display; RA: Remote Accessibility; BCA: Bulk-In; System/Control Sensors; EC: Expansion/IG Compatibility; PAA: Provisions for Alarms / Alerts; BA: Batch; FB: Fed Batch; PR: Perfusion; STG: Stirred Tank (Glass); SUB: Stirred Tank (Steel) (Autoclavable); FR: Fermenter and RM: Rocking Motion; PC: Processes Controlled; CC: Cell Cultivation; MF: Microbial Fermentation

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## Bioprocess Controllers


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Over 120 bioprocess controllers and automation systems are available, being developed by various companies. Below are a few global examples of the controllers are designed for upstream processes.

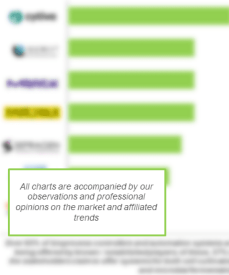
### Bioprocess Controllers and Automation System Developers Distribution by Year of Establishment



### Bioprocess Controllers and Automation System Developers Distribution by Company Size and Location



### Bioprocess Controllers and Automation System Developers Key Players



Insightful graphical summaries, offering diverse perspectives concerning the current market landscape of bioprocess controllers and automation systems based on several relevant parameters

All charts are accompanied by our observations and professional opinions on the market and attuned trends

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## Automation Systems Market

## Key Market Insights

120+ bioprocess controllers and automation systems are being developed by various players in this domain

Over 40% of the bioprocess controllers and automation systems are being offered to optimize the downstream processes, followed by over 30% controllers, which are used to optimize upstream processes.

Over 25 companies claim to provide development services related to bioprocess controllers and automation systems

The domain is featured by the presence of nearly 40% small players; of which, over 30% of players are developing upstream controllers. Further, more than 50% of these players offering bioprocess controllers and automation systems are based in Europe.

More than 3,500 patents have been filed / published related to the bioprocess controllers and automation systems, as of July 2021

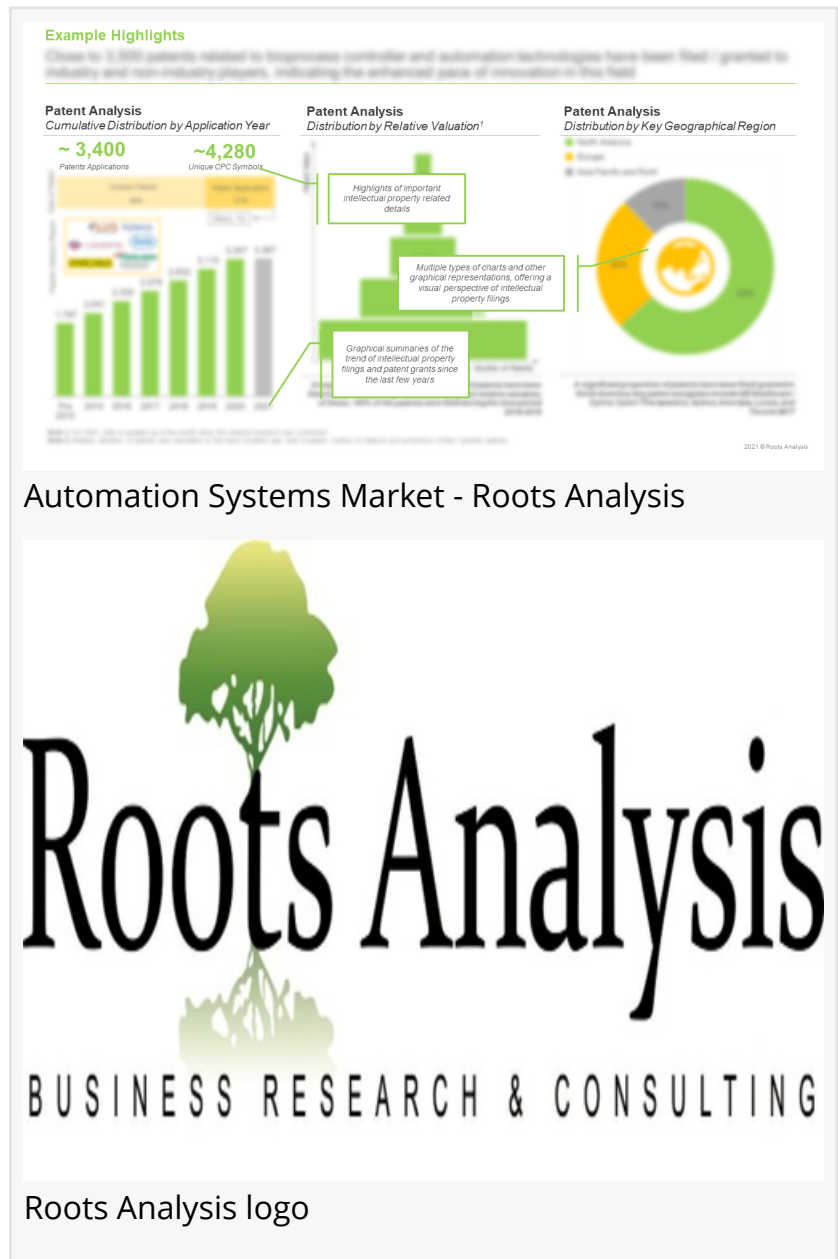
Close to 70% of these were patent applications, while the remaining were granted patents. Of the total patent applications, close to 65% were filed in North America, while around 30% patents were filed in Europe.

Europe is anticipated to capture over 42% of the market share by 2030

Bioprocess controllers and automation systems developed for preclinical / clinical scale operations currently capture the highest share (~75%) in the market; this trend is unlikely to change in the foreseen future. Further, upstream / downstream controllers hold the major share (~60%) in bioprocess controllers and automation systems market.

To request a sample copy / brochure of this report, please visit

<https://www.rootsanalysis.com/reports/bioprocess-controllers-and-automation-systems-market.html>



## Key Questions Answered

- Who are the leading players engaged in the development of bioprocess controller and automation systems?
- What are the different application areas where bioprocess controller and automation systems can be used?
- What are the key features of bioprocess controller and automation systems?
- How has the intellectual property landscape of bioprocess controller and automation, evolved over the time?
- What are the key trends within the bioprocess controllers and automation systems market?
- How is the current and future opportunity likely to be distributed across key market segments?

By 2030, the financial opportunity within the bioprocess controllers and automation systems market has been analyzed across the following segments:

### □ Type of Controllers

- Upstream / Downstream controller systems
- Bioprocess control software

### □ Analysis by Scale of Operation

- Preclinical / Clinical Operation
- Commercial Operation

### □ Analysis by Mode of Operation

- Batch / Fed-batch
- Perfusion

### □ Analysis by Types of Systems

- Single-use systems
- Stainless Steel / Other Systems

### □ Analysis by Geographical Regions

- North America
- Europe
- Asia Pacific and Rest of the World

The report also features inputs from eminent industry stakeholders, according to whom, the several bioprocessing companies are likely to adopt bioprocess controllers and automation systems in the foreseen future. The report includes detailed transcripts of discussion held with prominent industry representatives.

The research includes profiles of key players (listed below); each profile features a tabulated overview of company, product portfolio, recent developments, and an informed future outlook.

□ Applikon Biotechnology

□ Cytiva

□ Repligen

□ Sartorius

□ Sepragen

□ Solaris Biotech

□ Sysbiotech

□ Thermo Fisher Scientific

For additional details, please visit

<https://www.rootsanalysis.com/reports/bioprocess-controllers-and-automation-systems-market.html> or email [sales@rootsanalysis.com](mailto:sales@rootsanalysis.com)

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4. Cloud-based Solutions for Drug Discovery, Development and Manufacturing Market: Industry Trends and Global Forecast, 2021-2030

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