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Global Closed-System Cell Processing Workstation Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Closed-System Cell Processing Workstation market size was valued at US$ 432 million in 2025 and is forecast to a readjusted size of US$ 986 million by 2032 with a CAGR of 12.1% during review period.

In 2025, global Closed-System Cell Processing Workstation production reached approximately 1,615 units, with an average global market price of around USD 260,000 per unit.

The gross profit margin of major companies in the industry is between 38%?58%.

In 2025, the global production capacity of Closed-System Cell Processing Workstation was approximately 2,000 units.

Closed-System Cell Processing Workstation is an automated platform used for aseptic cell isolation, washing, activation, expansion, formulation, and transfer in a closed environment. It is widely used in cell therapy, gene therapy, stem cell processing, and GMP manufacturing facilities. The product boundary excludes biosafety cabinets, incubators, open centrifuges, and complete cell production lines.

The industry chain includes upstream sterile consumables, pumps, sensors, tubing sets, control software, and automation components. Midstream manufacturers integrate processing modules, monitoring systems, and validation functions. Downstream demand comes from cell therapy companies, hospitals, CDMOs, and research institutes.

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This report is a detailed and comprehensive analysis for global Closed-System Cell Processing Workstation market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Closed-System Cell Processing Workstation market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Closed-System Cell Processing Workstation market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Closed-System Cell Processing Workstation market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Closed-System Cell Processing Workstation market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Closed-System Cell Processing Workstation

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Closed-System Cell Processing Workstation market based on the following parameters - company overview, sales

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quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Miltenyi Biotec GmbH, Terumo Blood and Cell Technologies, Lonza Group AG, Thermo Fisher Scientific Inc., Sartorius AG, Cytiva, Biosafe SA, BioSpherix Medical, Terumo Corporation, MaxCyte Inc., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Closed-System Cell Processing Workstation market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Cell Washing and Concentration Workstations

Cell Activation and Expansion Workstations

Cell Formulation and Filling Workstations

Market segment by System Configuration

Benchtop Workstations

Cart-mounted Workstations

Floor-standing Workstations

Market segment by Processing Volume

Small-volume Type??100 mL?

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Medium-volume Type??100 mL-1 L?

Large-volume Type??1 L?

Market segment by Application

Biopharmaceutical Companies

Cell Therapy CDMOs

Hospital Cell Processing Centers

Other

Major players covered

Miltenyi Biotec GmbH

Terumo Blood and Cell Technologies

Lonza Group AG

Thermo Fisher Scientific Inc.

Sartorius AG

Cytiva

Biosafe SA

BioSpherix Medical

Terumo Corporation

MaxCyte Inc.

Biosan Biotechnology Co., Ltd.

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CytoNiche Biotechnology Co., Ltd.

Nanjing Ruihe Biotechnology Co., Ltd.

Shanghai Epilab Biotechnology Co., Ltd.

Shanghai Haoyuan Chemexpress Co., Ltd.

Shenzhen BGI Genomics Co., Ltd.

Shanghai Synbio Technologies Co., Ltd.

Beijing Tsingke Biotech Co., Ltd.

Nanjing Legend Biotech Co., Ltd.

Shanghai Fosun Pharmaceutical

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Closed-System Cell Processing Workstation product scope, market overview, market estimation caveats and base year.

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Chapter 2, to profile the top manufacturers of Closed-System Cell Processing Workstation, with price, sales quantity, revenue, and global market share of Closed-System Cell Processing Workstation from 2021 to 2026.

Chapter 3, the Closed-System Cell Processing Workstation competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Closed-System Cell Processing Workstation breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Closed-System Cell Processing Workstation market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Closed-System Cell Processing Workstation.

Chapter 14 and 15, to describe Closed-System Cell Processing Workstation sales channel, distributors, customers, research findings and conclusion.

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