

Global Closed-System Cell Processing Workstation Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Closed-System Cell Processing Workstation market size is expected to reach \$ 986 million by 2032, rising at a market growth of 12.1% CAGR during the forecast period (2026-2032).

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.

This report studies the global Closed-System Cell Processing Workstation production,

demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Closed-System Cell Processing Workstation and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Closed-System Cell Processing Workstation that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Closed-System Cell Processing Workstation total production and demand, 2021-2032, (Units)

Global Closed-System Cell Processing Workstation total production value, 2021-2032, (USD Million)

Global Closed-System Cell Processing Workstation production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Closed-System Cell Processing Workstation consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Closed-System Cell Processing Workstation domestic production, consumption, key domestic manufacturers and share

Global Closed-System Cell Processing Workstation production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Closed-System Cell Processing Workstation production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Closed-System Cell Processing Workstation production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Closed-System Cell Processing Workstation market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Closed-System Cell Processing Workstation Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Closed-System Cell Processing Workstation Market, Segmentation by Type:

Cell Washing and Concentration Workstations

Cell Activation and Expansion Workstations

Cell Formulation and Filling Workstations

Global Closed-System Cell Processing Workstation Market, Segmentation by System Configuration:

Benchtop Workstations

Cart-mounted Workstations

Floor-standing Workstations

Global Closed-System Cell Processing Workstation Market, Segmentation by Processing Volume:

Small-volume Type??100 mL?

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

Large-volume Type??1 L?

Global Closed-System Cell Processing Workstation Market, Segmentation by Application:

Biopharmaceutical Companies

Cell Therapy CDMOs

Hospital Cell Processing Centers

Other

Companies Profiled:

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.

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

Key Questions Answered:

1. How big is the global Closed-System Cell Processing Workstation market?
2. What is the demand of the global Closed-System Cell Processing Workstation

market?

3. What is the year over year growth of the global Closed-System Cell Processing Workstation market?

4. What is the production and production value of the global Closed-System Cell Processing Workstation market?

5. Who are the key producers in the global Closed-System Cell Processing Workstation market?

6. What are the growth factors driving the market demand?

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