

# Global Closed System Transfer Device Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Closed System Transfer Device market size was valued at USD 698.5 million in 2023 and is forecast to a readjusted size of USD 2186.5 million by 2030 with a CAGR of 17.7% during review period.

Closed System Transfer Device (CSTD) is a drug transfer device that mechanically prohibits the transfer of environmental contaminants into a system and the escape of hazardous drug or vapor concentrations outside the system, which designed to prevent the escape of hazardous drug vapors into the environment during drug reconstitution and administration.

Millions of healthcare workers are exposed to chemotherapy and other hazardous drugs annually. Studies have shown that exposure to these hazardous drugs can cause serious health problems, “such as cancer, reproductive and development problems and other adverse effects that can be irreversible even after low-level exposures,” according to the Occupational Safety & Health Administration (OSHA), National Institute of Occupational Safety & Health (NIOSH), and Joint Commission. Therefore, Potential market is huge in the future.

United States dominated the Closed System Drug Transfer Device (CSTD), and is the largest production base. In addition to United States, there are some other production areas, such as Europe. In consumption market, North America is the mainly consumption regions due to the bigger demand of downstream applications. In 2022, North America occupied over 75% of the global revenue in total. However, the above forecast is based on the current policy. If a country suddenly made the relevant policies,

then the entire market will change.

As for global Closed System Drug Transfer Device (CSTD) market, there are several key players, like BD Medical, Inc, Equashield, ICU Medical. The market is not only influenced by the price, but also influenced by the product performance. The leading companies own the advantages on better performance, more abundant product's types, better technical and impeccable after-sales service. Consequently, they take the majority of the market share of high-end market.

Meanwhile, the government's attitude has a huge impact on the market. However, now, only the United States and some European and Asia countries have promulgated relevant policies. But, even in these countries, the level of promotion is still relatively low. At present, the market is relatively concentrated, and the price is relatively high. Therefore, Enterprises with price advantage will occupy part of the market in the future.

The Global Info Research report includes an overview of the development of the Closed System Transfer Device industry chain, the market status of Hospital (Closed Vial Access Devices, Closed Syringe Safety Devices), Clinic (Closed Vial Access Devices, Closed Syringe Safety Devices), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Closed System Transfer Device.

Regionally, the report analyzes the Closed System Transfer Device markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Closed System Transfer Device market, with robust domestic demand, supportive policies, and a strong manufacturing base.

**Key Features:**

The report presents comprehensive understanding of the Closed System Transfer Device market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Closed System Transfer Device industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different

by Type (e.g., Closed Vial Access Devices, Closed Syringe Safety Devices).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Closed System Transfer Device market.

**Regional Analysis:** The report involves examining the Closed System Transfer Device market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Closed System Transfer Device market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Closed System Transfer Device:

**Company Analysis:** Report covers individual Closed System Transfer Device manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Closed System Transfer Device This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Hospital, Clinic).

**Technology Analysis:** Report covers specific technologies relevant to Closed System Transfer Device. It assesses the current state, advancements, and potential future developments in Closed System Transfer Device areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Closed System Transfer Device market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through

primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Closed System Transfer Device market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Closed Vial Access Devices

Closed Syringe Safety Devices

Closed Bag/Line Access Devices

### Market segment by Application

Hospital

Clinic

### Major players covered

BD Medical, Inc

Equashield, LLC

ICU Medical, Inc

Teva Medical Ltd

Corvida Medical

B. Braun

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 Transfer Device product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Closed System Transfer Device, with price, sales, revenue and global market share of Closed System Transfer Device from 2019 to 2024.

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

Chapter 4, the Closed System Transfer Device breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Closed System Transfer Device market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Transfer Device.

Chapter 14 and 15, to describe Closed System Transfer Device sales channel, distributors, customers, research findings and conclusion.

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