

# **Blood Management System Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Donor Management Module, Transfusion Service Module, Inventory Management, Donation Scheduling, Screening & Testing, Reporting & Analytics, Integration & Interoperability, and Others), By End User (Blood Banks, Hospitals, Ambulatory Care Centers, and Others), By Region and Competition**

<https://marketpublishers.com/r/BC7D150AB87AEN.html>

Date: September 2023

Pages: 188

Price: US\$ 4,900.00 (Single User License)

ID: BC7D150AB87AEN

## **Abstracts**

Global blood management system market is anticipated to grow at a rapid pace in the forecast period, 2024-2028. Growing awareness among healthcare professionals and the public, coupled with the increasing demand for blood and blood products across the world are the key factors responsible for the growth of the global blood management system market.

A blood management system refers to a set of strategies, techniques, and processes designed to optimize the use of blood products in medical settings. The primary goal of blood management is to ensure patient safety and improve patient outcomes while minimizing the need for blood transfusions. These systems are typically implemented in hospitals, surgical centers, and other healthcare facilities. The other factors which are supporting the growth of the global blood management system market are growing demand for blood donations, rising technological advancements, increasing healthcare expenditure, rising prevalence of blood disorders, rise in number of blood donors, and increase in the number of surgical procedures.

In 2021, the National AIDS Control Organization in India facilitated the collection of approximately 5.83 million blood units through its blood transfusion services. This represented a decline from the previous year, when nearly 7.3 million units were collected. Additionally, favorable reimbursement policies and mechanisms that incentivize the adoption of blood management systems can positively impact the growth of the global blood management system market. Also, these favorable reimbursement policies support to encourage healthcare providers to invest in these systems and implement best practices in blood management.

### Growing Demand for Blood and Blood Products

The growing demand for blood and blood products is expected to bolster the growth of the global blood management system market in the coming years. Various medical conditions, including surgeries, cancer treatments, and organ transplants, necessitate blood transfusions to improve patient outcomes. This growing need for blood transfusions directly drives the demand for advanced blood management systems. In 2021, the American Red Cross stated that sickle cell disease affected about 1,00,000 people in the United States. These patients require blood transfusion throughout their lives, therefore increasing the demand for blood transfusions. The growing demand for blood and blood products is surging with the adoption of blood management systems, as healthcare facilities recognize the need for efficient management of blood inventory, tracking, and transfusion processes to meet the rising demand. As a result, the demand for blood management systems is surging, thereby driving the growth of the global blood management system market.

### Growing Awareness among Healthcare Professionals and the Public

Growing awareness among healthcare professionals and the public about the importance of blood management is another factor influencing the global blood management system market. Healthcare professionals, including physicians, nurses, and laboratory staff, are increasingly recognizing the significance of proper blood management practices. They are becoming more aware of the potential risks associated with unnecessary blood transfusions, such as infections, transfusion reactions, and resource wastage. This awareness drives the adoption of blood management systems that help healthcare professionals make informed decisions, optimize blood utilization, and improve patient outcomes. Also, with a greater focus on patient safety and quality of care, healthcare professionals are realizing the importance of implementing standardized blood management protocols. Blood management systems provide tools and guidelines that enhance patient safety by ensuring

appropriate blood product utilization, reducing the risk of transfusion-related complications, and improving overall healthcare outcomes. Furthermore, the increasing awareness of healthcare costs has prompted healthcare professionals to explore strategies for cost containment. Blood management systems help optimize blood product utilization, reduce unnecessary transfusions, and minimize wastage. By implementing these systems, healthcare facilities can achieve cost savings while ensuring adequate supply for patients in need, which in turn, is expected to strengthen the growth of the global blood management system market.

In addition, the public's growing awareness of healthcare-related issues extends to the understanding of blood transfusions and their potential risks and benefits. Patients are more likely to be proactive in discussing their treatment options with healthcare providers and seeking alternatives to blood transfusions when appropriate. This growing patient awareness and empowerment are driving healthcare facilities to adopt blood management systems that support patient-centered care and provide alternatives to transfusions, such as intraoperative cell salvage or minimally invasive procedures. There are various programs and initiatives that promote the use of blood management systems such as National Blood Transfusion Council (NBTC) Programs, International Foundation for Patient Blood Management (IFPBM), etc. For instance, the International Foundation for Patient Blood Management (IFPBM) is a global organization dedicated to promoting patient blood management and improving patient outcomes. They organize educational conferences, workshops, and webinars to raise awareness about the benefits of blood management systems and advocate for their implementation in healthcare settings worldwide.

### Technological Advancements

Technological advancements have been instrumental in influencing the growth of the global blood management system market. These advancements have introduced innovative features, improved system capabilities, and enhanced overall efficiency and patient safety. Some of the key technological advancements that have influenced the growth of the global blood management system market are automation and integration, barcode scanning and RFID technology, artificial intelligence (AI), and others.

In automation and integration, blood management systems have evolved to automate various processes involved in blood management, including inventory tracking, patient identification, and transfusion documentation. Integration with electronic health records (EHRs) and other healthcare systems enables seamless data exchange, reducing manual errors, improving workflow efficiency, and enhancing patient safety. In scanning

and RFID technology, the use of barcode scanning, and radio-frequency identification (RFID) technology has revolutionized blood management systems. Barcodes and RFID tags are used to track and identify blood products throughout the supply chain, ensuring accurate matching with patients, reducing the risk of errors, and enhancing traceability. These technologies streamline processes, improve inventory management, and contribute to overall transfusion safety. Other technological advancements are electronic crossmatching and compatibility testing. Traditional crossmatching and compatibility testing methods are time-consuming and resource intensive. Advanced blood management systems incorporate electronic crossmatching capabilities, using algorithms and patient data to predict blood compatibility, reducing the need for serological testing and expediting the transfusion process. This technology improves turnaround time, reduces costs, and enhances patient care. Also, blood management systems are incorporating decision support systems and predictive analytics to aid healthcare professionals in making informed decisions. These systems analyze patient data, blood product availability, and historical transfusion patterns to provide recommendations for optimal blood utilization, inventory management, and transfusion strategies. By leveraging data insights, healthcare providers can improve patient outcomes, reduce costs, and enhance resource allocation. The use of mobile applications and remote access capabilities have made blood management systems more accessible and convenient for healthcare professionals. With these technologies, healthcare providers can access real-time data, perform tasks remotely, and make critical decisions on the go. Mobile applications enable efficient communication, reduce paperwork, and enhance collaboration among healthcare teams, contributing to improved blood management practices. Furthermore, the incorporation of Artificial Intelligence (AI) and machine learning algorithms are done to optimize various processes in blood management system. These technologies can analyze large volumes of data, identify patterns, and make predictions to support decision-making, inventory forecasting, and personalized transfusion strategies. AI-powered systems can help identify potential adverse events, improve blood product matching, and enhance patient safety. These growing technological advancements are transforming the blood management landscape, and are improving operational efficiency, patient safety, and resource utilization, which in turn, supports the growth of the global blood management systems.

## Recent Developments

In 2022, Terumo Blood and Cell Technologies, received approval from the U.S. Food and Drug Administration (FDA) for a novel plasma collection system. This system is specifically developed to enhance the efficiency of plasma collection,

minimizing the time required. The FDA approval of this advanced plasma collection system is expected to bolster Terumo's portfolio in the field of blood and cell technologies, reinforcing their position in the market.

## Market Segmentation

Global blood management system market is segmented based on type, end user, company, and region. Based on type, the global blood management system market is segmented into donor management module, transfusion service module, inventory management, donation scheduling, screening & testing, reporting & analytics, integration & interoperability, and others. Based on end user, the global blood management system market is divided into blood banks, hospitals, ambulatory care centers, and others. In terms of region, the global blood management system market is divided into North America, Europe, Asia Pacific, South America, and Middle East & Africa.

## Market Players

Cerner Corporation, Haemonetics Corporation, Coelentera Technologies Pvt. Ltd., Strides Software Solutions Pvt Ltd., McKesson Corporation, Integrated Medical Systems, Inc., MAK-SYSTEM International Group, Mediware, Inc., CompuGroup Medical SE & Co. KGaA, and SCC Soft Computer are some of the major leading players of the global blood management system market.

## Report Scope:

In this report, global blood management system market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

### Blood management system Market, By Type:

Donor Management Module

Transfusion Service Module

Inventory Management

Donation Scheduling

Screening & Testing

Reporting & Analytics

Integration & Interoperability

Others

#### Blood management system Market, By End User:

Blood Banks

Hospitals

Ambulatory Care Centers

Others

#### Blood management system Market, By Region:

Asia-Pacific

China

India

Japan

South Korea

Singapore

Europe

France

Germany

United Kingdom

Italy

Spain

North America

United States

Mexico

Canada

South America

Brazil

Argentina

Colombia

Colombia Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the global blood management system market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

#### Company Information

Detailed analysis and profiling of additional market players (up to five).



## Contents

### 1. PRODUCT OVERVIEW

### 2. RESEARCH METHODOLOGY

### 3. EXECUTIVE SUMMARY

### 4. IMPACT OF COVID-19 ON GLOBAL BLOOD MANAGEMENT SYSTEM MARKET

### 5. VOICE OF CUSTOMER

### 6. GLOBAL BLOOD MANAGEMENT SYSTEM MARKET OUTLOOK

#### 6.1. Market Size & Forecast

##### 6.1.1. By Value

#### 6.2. Market Share & Forecast

6.2.1. By Type (Donor Management Module, Transfusion Service Module, Inventory Management, Donation Scheduling, Screening & Testing, Reporting & Analytics, Integration & Interoperability, Others)

6.2.2. By End User (Blood Banks, Hospitals, Ambulatory Care Centers, Others)

6.2.3. By Company (2022)

6.2.4. By Region

#### 6.3. Market Map

### 7. NORTH AMERICA BLOOD MANAGEMENT SYSTEM MARKET OUTLOOK

#### 7.1. Market Size & Forecast

##### 7.1.1. By Value

#### 7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By End User

7.2.3. By Country

#### 7.3. North America: Country Analysis

7.3.1. United States Blood Management System Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Type

- 7.3.1.2.2. By End User
- 7.3.2. Mexico Blood Management System Market Outlook
  - 7.3.2.1. Market Size & Forecast
    - 7.3.2.1.1. By Value
  - 7.3.2.2. Market Share & Forecast
    - 7.3.2.2.1. By Type
    - 7.3.2.2.2. By End User
- 7.3.3. Canada Blood Management System Market Outlook
  - 7.3.3.1. Market Size & Forecast
    - 7.3.3.1.1. By Value
  - 7.3.3.2. Market Share & Forecast
    - 7.3.3.2.1. By Type
    - 7.3.3.2.2. By End User
- 7.4. List of Blood Processing Centers/Blood Banks using Blood Management System across North America (Up to 10)
- 7.5. List of the RFID manufacturer for the blood processing centers/blood banks across North America (Up to 10)

## **8. EUROPE BLOOD MANAGEMENT SYSTEM MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Type
  - 8.2.2. By End User
  - 8.2.3. By Country
- 8.3. Europe: Country Analysis
  - 8.3.1. France Blood Management System Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Type
      - 8.3.1.2.2. By End User
  - 8.3.2. Germany Blood Management System Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast
      - 8.3.2.2.1. By Type
      - 8.3.2.2.2. By End User

### 8.3.3. United Kingdom Blood Management System Market Outlook

#### 8.3.3.1. Market Size & Forecast

##### 8.3.3.1.1. By Value

#### 8.3.3.2. Market Share & Forecast

##### 8.3.3.2.1. By Type

##### 8.3.3.2.2. By End User

### 8.3.4. Italy Blood Management System Market Outlook

#### 8.3.4.1. Market Size & Forecast

##### 8.3.4.1.1. By Value

#### 8.3.4.2. Market Share & Forecast

##### 8.3.4.2.1. By Type

##### 8.3.4.2.2. By End User

### 8.3.5. Spain Blood Management System Market Outlook

#### 8.3.5.1. Market Size & Forecast

##### 8.3.5.1.1. By Value

#### 8.3.5.2. Market Share & Forecast

##### 8.3.5.2.1. By Type

##### 8.3.5.2.2. By End User

8.4. List of Blood Processing Centers/Blood Banks using Blood Management System across Europe (Up to 10)

8.5. List of the RFID manufacturer for the blood processing Centres/blood banks across Europe (Up to 10)

## **9. ASIA-PACIFIC BLOOD MANAGEMENT SYSTEM MARKET OUTLOOK**

### 9.1. Market Size & Forecast

#### 9.1.1. By Value

### 9.2. Market Share & Forecast

#### 9.2.1. By Type

#### 9.2.2. By End User

#### 9.2.3. By Country

### 9.3. Asia-Pacific: Country Analysis

#### 9.3.1. China Blood Management System Market Outlook

##### 9.3.1.1. Market Size & Forecast

##### 9.3.1.1.1. By Value

##### 9.3.1.2. Market Share & Forecast

##### 9.3.1.2.1. By Type

##### 9.3.1.2.2. By End User

#### 9.3.2. India Blood Management System Market Outlook

- 9.3.2.1. Market Size & Forecast
  - 9.3.2.1.1. By Value
- 9.3.2.2. Market Share & Forecast
  - 9.3.2.2.1. By Type
  - 9.3.2.2.2. By End User
- 9.3.3. Japan Blood Management System Market Outlook
  - 9.3.3.1. Market Size & Forecast
    - 9.3.3.1.1. By Value
  - 9.3.3.2. Market Share & Forecast
    - 9.3.3.2.1. By Type
    - 9.3.3.2.2. By End User
- 9.3.4. South Korea Blood Management System Market Outlook
  - 9.3.4.1. Market Size & Forecast
    - 9.3.4.1.1. By Value
  - 9.3.4.2. Market Share & Forecast
    - 9.3.4.2.1. By Type
    - 9.3.4.2.2. By End User
- 9.3.5. Australia Blood Management System Market Outlook
  - 9.3.5.1. Market Size & Forecast
    - 9.3.5.1.1. By Value
  - 9.3.5.2. Market Share & Forecast
    - 9.3.5.2.1. By Type
    - 9.3.5.2.2. By End User
- 9.4. List of Blood Processing Centers/Blood Banks using Blood Management System across Asia Pacific (Up to 10)
- 9.5. List of the RFID manufacturer for the blood processing centers/blood banks across Asia Pacific (Up to 10)

## **10. SOUTH AMERICA BLOOD MANAGEMENT SYSTEM MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Type
  - 10.2.2. By End User
  - 10.2.3. By Country
- 10.3. South America: Country Analysis
  - 10.3.1. Brazil Blood Management System Market Outlook
    - 10.3.1.1. Market Size & Forecast

- 10.3.1.1.1. By Value
- 10.3.1.2. Market Share & Forecast
  - 10.3.1.2.1. By Type
  - 10.3.1.2.2. By End User
- 10.3.2. Argentina Blood Management System Market Outlook
  - 10.3.2.1. Market Size & Forecast
    - 10.3.2.1.1. By Value
  - 10.3.2.2. Market Share & Forecast
    - 10.3.2.2.1. By Type
    - 10.3.2.2.2. By End User
- 10.3.3. Colombia Blood Management System Market Outlook
  - 10.3.3.1. Market Size & Forecast
    - 10.3.3.1.1. By Value
  - 10.3.3.2. Market Share & Forecast
    - 10.3.3.2.1. By Type
    - 10.3.3.2.2. By End User
- 10.4. List of Blood Processing Centers/Blood Banks using Blood Management System across South America (Up to 10)
- 10.5. List of the RFID manufacturer for the blood processing Centres/blood banks across South America (Up to 10)

## **11. MIDDLE EAST AND AFRICA BLOOD MANAGEMENT SYSTEM MARKET OUTLOOK**

- 11.1. Market Size & Forecast
  - 11.1.1. By Value
- 11.2. Market Share & Forecast
  - 11.2.1. By Type
  - 11.2.2. By End User
  - 11.2.3. By Country
- 11.3. MEA: Country Analysis
  - 11.3.1. South Africa Blood Management System Market Outlook
    - 11.3.1.1. Market Size & Forecast
      - 11.3.1.1.1. By Value
    - 11.3.1.2. Market Share & Forecast
      - 11.3.1.2.1. By Type
      - 11.3.1.2.2. By End User
  - 11.3.2. Saudi Arabia Blood Management System Market Outlook
    - 11.3.2.1. Market Size & Forecast

- 11.3.2.1.1. By Value
- 11.3.2.2. Market Share & Forecast
  - 11.3.2.2.1. By Type
  - 11.3.2.2.2. By End User
- 11.3.3. UAE Blood Management System Market Outlook
  - 11.3.3.1. Market Size & Forecast
    - 11.3.3.1.1. By Value
  - 11.3.3.2. Market Share & Forecast
    - 11.3.3.2.1. By Type
    - 11.3.3.2.2. By End User
- 11.4. List of Blood Processing Centers/Blood Banks using Blood Management System across Middle East & Africa (Up to 10)
- 11.5. List of the RFID manufacturer for the blood processing centers/blood banks across Middle East & Africa (Up to 10)

## **12. MARKET DYNAMICS**

- 12.1. Drivers
- 12.2. Challenges

## **13. MARKET TRENDS & DEVELOPMENTS**

## **14. COMPETITIVE LANDSCAPE**

- 14.1. Business Overview
- 14.2. Company Snapshot
- 14.3. Products & Services
- 14.4. Financials (In case of listed companies)
- 14.5. Recent Developments
- 14.6. SWOT Analysis

## **15. STRATEGIC RECOMMENDATIONS**

## **16. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Blood Management System Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Donor Management Module, Transfusion Service Module, Inventory Management, Donation Scheduling, Screening & Testing, Reporting & Analytics, Integration & Interoperability, and Others), By End User (Blood Banks, Hospitals, Ambulatory Care Centers, and Others), By Region and Competition

Product link: <https://marketpublishers.com/r/BC7D150AB87AEN.html>

Price: US\$ 4,900.00 (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/BC7D150AB87AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970