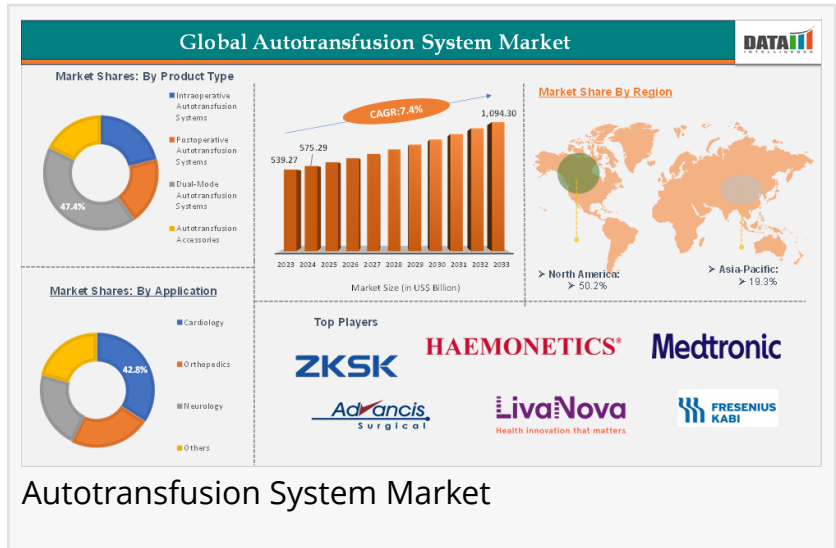


# Autotransfusion System Market to Reach \$1.09B by 2033, Driven by Blood Safety, Surgical Growth, Patient Blood Management

*DataM Intelligence projects 7.4% CAGR as hospitals adopt advanced autotransfusion systems to reduce donor blood dependency and improve outcomes.*

LOS ANGELES, CA, UNITED STATES, July 31, 2025 /EINPresswire.com/ -- The [autotransfusion system market size](https://www.datamintelligence.com/download-sample/autotransfusion-system-market) was valued at US\$ 575.29 million in 2024 and is projected to reach approximately US\$ 1,094.30 Million by 2033, growing at a compound annual growth rate (CAGR) of 7.4% during the forecast period from 2025 to 2033.



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“

Autotransfusion is no longer optional it's a frontline strategy for safer, cost-effective surgeries in an era of blood supply constraints.”

*DataM Intelligence*

**Market Key Drivers:**

- Rising Surgical Volumes

Increasing rates of complex surgeries such as cardiac, orthopedic, and trauma-related procedures are directly contributing to the demand for autotransfusion systems. These systems offer a safer and more cost-effective alternative to donor blood transfusions, especially in high-blood-loss scenarios.

- Blood Supply Constraints & Infection Risks

Limited availability of donor blood and the potential risk of transfusion-transmitted infections (TTIs) have propelled the shift toward autologous transfusion. Autotransfusion reduces reliance on blood banks and minimizes immunological complications, making it a preferred choice for hospitals.

- Technological Advancements

The development of compact, fully automated autotransfusion devices has made the technology more accessible and efficient. Modern systems offer quicker processing times, improved red blood cell recovery rates, and compatibility with a wider range of surgical procedures.

- Cost-Effectiveness & Patient Outcomes

Hospitals and surgical centers are increasingly adopting autotransfusion systems to reduce costs associated with donor blood acquisition, testing, and storage. Additionally, improved patient outcomes with fewer complications and shorter hospital stays are strengthening the case for wider implementation.

- Global Push for Patient Blood Management (PBM)

Governments and health organizations across the globe are promoting PBM strategies to optimize blood usage, enhance surgical outcomes, and reduce healthcare costs. Autotransfusion systems play a critical role in these strategies by ensuring safer and more sustainable blood management.

#### Market Segments:

- By Product Type (Intraoperative Autotransfusion Systems, Postoperative Autotransfusion Systems, Dual-Mode Autotransfusion Systems, Autotransfusion Accessories)
- By Technique (Predeposit autologous donation (PAD), Acute Normovolaemic Haemodilution (ANH), Perioperative cell salvage (PCS))
- By Application (Orthopedic, Neurology, Cardiology, Others)
- By End-User (Hospitals, Specialty Clinics, Others)
- By Region (North America, Europe, South America, Asia Pacific, Middle East, and Africa)

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#### Market Geographical Share:

The global autotransfusion system market exhibits strong growth across multiple regions, driven by increasing surgical volumes and growing awareness of patient blood management (PBM).

- North America holds a dominant share in the market, largely due to advanced healthcare infrastructure, rising adoption of minimally invasive surgeries, and stringent regulations that encourage autologous blood transfusion practices to reduce the risk of transfusion-related complications. The United States, in particular, benefits from high healthcare spending and favorable reimbursement policies.
- Europe represents another significant region, with countries like Germany, the UK, and France emphasizing blood conservation techniques. Increased prevalence of cardiovascular and orthopedic procedures further drives demand for autotransfusion systems in this region.

- Asia-Pacific is emerging as the fastest-growing market, fueled by improving healthcare access, rising surgical procedures, and the growing burden of chronic diseases. Nations such as China, India, and Japan are investing heavily in modernizing hospital infrastructure and expanding surgical care facilities, creating new growth opportunities.
- Latin America and Middle East & Africa show moderate growth. However, rising investments in healthcare modernization and training of medical staff in autotransfusion techniques are expected to boost regional adoption over the next few years.

#### Market Top Players:

Top players are Medtronic, LivaNova PLC, Haemonetics Corporation, Beijing ZKSK Technology Co., Ltd., Hemoclear, BD, Fresenius Kabi, Zimmer Biomet Holdings, Inc., and Advancis Surgical.

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#### Product Launches & Regulatory Approvals:

- Haemonetics Corporation launched the Cell Saver Elite+ autotransfusion system with updated “Intelligent Control” software, granted FDA 510(k) clearance in March 2023, and is now in full commercial release with improved workflows and user experience.
- In February 2024, ProCell Surgical received CE marking for its Sponge Blood Recovery Unit, enabling entry into the EU market with a new blood salvage consumable device.
- LivaNova’s ATS XTRA™, an innovative autotransfusion system, was officially launched in June 2023 in Indonesia via a workshop titled “Autotransfusion Improves Outcomes”.

#### Mergers, Acquisitions & Partnerships:

- Haemonetics acquired Attune Medical in April 2024 (Chicago based temperature regulation device maker) for approximately USD ₹160 million, enhancing its surgical support and blood management portfolio.
- In August 2023, the National Blood Service Commission (Nigeria) partnered with HemoClear B.V. (Netherlands) to introduce autologous blood transfusion services addressing critical blood shortages through intraoperative autotransfusion technology.

#### Related Report:

[Autotransfusion Blood Bags Market](#)

[Autotransfusion Devices and Consumables Market](#)

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