
INDUSTRY OVERVIEW

The information and statistics set out in this section and other sections of this document were extracted from the report prepared by Frost & Sullivan, which was commissioned by us, and from various official government publications and other publicly available publications. We engaged Frost & Sullivan to prepare the Frost & Sullivan Report, an independent industry report, in connection with the [REDACTED]. We believe that the sources of such information are appropriate and have taken reasonable care in extracting and reproducing such information. We have no reason to believe that such information is false or misleading or that any fact has been omitted that would render such information false or misleading. The information from official government sources has not been independently verified by us, the Sole Sponsor, [REDACTED], any of the [REDACTED], any of their respective directors and advisers or any other party involved in the [REDACTED] and no representation is given as to its accuracy.

REPORT COMMISSIONED BY FROST & SULLIVAN

In connection with the [REDACTED], we have engaged Frost & Sullivan to conduct a detailed analysis and prepare an industry report on the major markets for which our products are positioned. Frost & Sullivan is an independent global market research and consulting company which was founded in 1961 and is based in the United States. We have agreed to pay Frost & Sullivan a total fee of RMB480,000 for the preparation of the Frost & Sullivan Report, and we believe that such fees are consistent with the market rate. The payment of such amount is not contingent upon our successful [REDACTED] or on the results of the Frost & Sullivan Report. Except for the Frost & Sullivan Report, we did not commission any other industry report in connection with the [REDACTED].

Frost & Sullivan prepared its report based on its in-house database, independent third-party reports and publicly available data from authoritative industry organizations. In preparing the Frost & Sullivan Report, Frost & Sullivan also analyzed the forecast data by drawing upon historical data, macroeconomic data and specific industry drivers. The market projections in the Frost & Sullivan Report were based on the following key assumptions: (i) the overall social, economic and political environment globally and in China is expected to remain stable during the forecast period; (ii) the economic and industrial development globally and in China is likely to maintain a steady growth trend over the next decade; (iii) related key industry drivers are likely to continue driving the growth of the market during the forecast period; and (iv) there is no extreme force majeure or industry regulation in which the market may be affected dramatically or fundamentally. The reliability of the Frost & Sullivan Report may be affected by the accuracy of the foregoing key assumptions.

OVERVIEW OF THE GLOBAL MEDICAL CONSUMABLES INDUSTRY

Medical consumables refer to disposable materials, instruments, or implantable components used during clinical treatment to perform functions such as drug delivery, sampling, hemostasis, protection, support, or monitoring. Based on material properties, medical consumables can be categorized into polymer materials, metal materials, inorganic non-metal materials, and others. Among these, polymer materials — due to their biocompatibility, durability, ease of processing, and stability in quality — provide a solid foundation for user-friendly design and safe application of medical consumables.

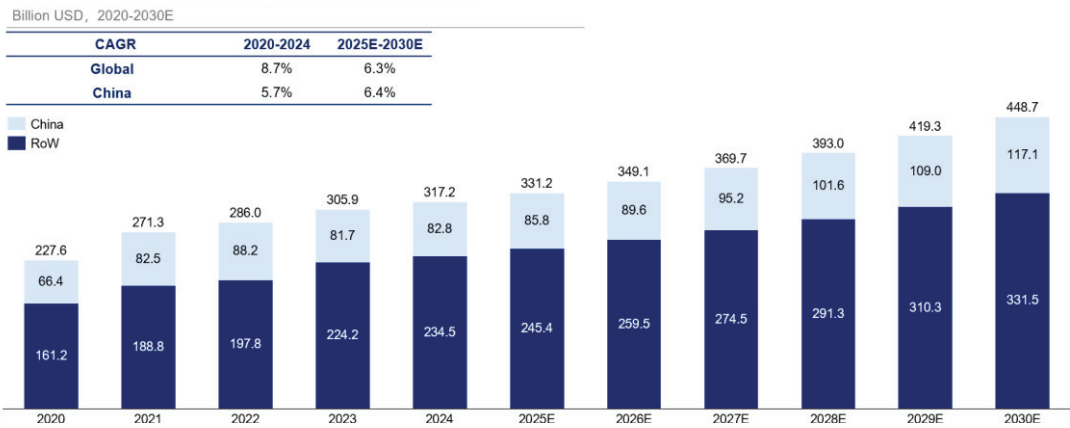
Against the backdrop of global aging and the continuous rise in the prevalence of chronic diseases, rigid demand for medical consumables continues to grow. In addition, supported by China’s centralized procurement policies, domestic medical consumables companies are expanding multi-product pipelines through independent R&D and mergers and acquisitions to capture market share. The substitution of imported medical consumables with domestic alternatives in China is accelerating, industry concentration is steadily increasing, and the overall market size continues to expand.

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Analysis of Market Size

The following chart illustrates the global and China’s market size of medical consumables.

Historical and Forecasted Global Market Size of Medical Consumables



Source: Literature review, Frost & Sullivan analysis

Analysis of Entry Barriers

Although the medical consumables industry demonstrates sustained market growth, there are still certain barriers to entry.

- **Market Access and Regulatory Barriers**

Medical consumables must undergo strict approval from regulatory authorities in various countries. Certification thresholds are high, with long registration cycles and high costs. For new entrants, obtaining industry access and product approvals requires substantial investment, long timelines, and involves significant risk, making it difficult to compete with existing players in the short term.

- **Technological and Cost Barriers**

The R&D costs and technical barriers in the medical consumables industry are high. Development costs can range from tens of thousands to tens of millions RMB, with R&D cycles ranging from 6 months to 5 years. In particular, advanced medical consumables rely on multidisciplinary technologies, requiring longer development cycles and sustained investment to achieve breakthroughs in core technologies.

- **Talent Barriers**

The medical consumables industry requires interdisciplinary talent — individuals who possess both clinical medical knowledge and engineering implementation capabilities. However, such hybrid R&D talent is scarce, and insufficient talent reserves often constrain the growth of new entrants.

- **Sales Channels and Brand Barriers**

The sale of medical consumables depends on the establishment of distribution networks. Existing medical consumables companies typically have well-developed sales networks, while new entrants must build market trust through academic promotion and clinical data validation to overcome sales channel barriers. As a result, channel development costs are high.

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Analysis of Key Success Factors

Against the backdrop of intense competition in the medical consumables industry, successful companies typically share the following characteristics:

- **Multi-product Portfolio Strategy**

By establishing a diversified product portfolio that spans various clinical departments and regional markets, we can effectively mitigate systemic risks associated with fluctuations in any single market and help build a stronger brand presence. Providing a range of related medical devices to a single department enables us to meet clinical diagnostic and treatment needs through a one-stop solution, thereby enhancing service integration. Allowing a single distributor to represent multiple products optimizes the efficiency of channel resource allocation and strengthens long-term partnerships with distributors.

- **Clinical Demand-Oriented Innovation**

The core of independent R&D lies in mastering key technologies and processes, which is fundamental to building differentiated advantages and achieving sustainable development. By establishing in-house R&D systems focused on clinical needs to pursue technological innovation, companies can not only respond quickly to clinical pain points but also gain deeper control over critical production processes, creating technological barriers that are difficult to replicate. Meanwhile, owning intellectual property for core technologies reduces reliance on external technologies, ensures supply chain security and cost controllability, and enables companies to capture premium pricing and maintain enduring competitiveness in high-end markets, ultimately driving a long-term growth.

- **Development of Manufacturing and Quality Control Capabilities**

Some companies build strong quality management systems to ensure a solid foundation for product quality. Through automated production, they achieve dual optimization of product quality and cost control. Combined with continuous process improvements, this creates a manufacturing competitiveness of “high quality + low cost,” which supports sustainable development.

- **Commercialization Capabilities and Sales Channel Development**

The core value of marketing teams lies in their ability to quickly respond to clinical pain points and drive efficient industrialization. Mature teams can accurately identify unmet clinical needs and rapidly translate clinical feedback into product improvements or service optimization. For example, some companies establish nationwide sales networks supported by professional academic promotion teams to quickly penetrate the domestic market. At the same time, accelerating global expansion injects new momentum into business performance.

Analysis of Competitive Landscape

Against the backdrop of high R&D investment, rapid technological iteration, and stringent regulatory requirements in the medical device industry, many early-stage companies often face the dilemma of “technology becoming obsolete before products are commercialized.” In contrast, Shandong Ande Medical is one of the few companies capable of comprehensively covering multiple segments — including vascular access, drug delivery, blood specimen collection, interventional therapy, surgical products, and medical imaging consumable products — and has successfully achieved commercialization, standing out among domestic medical consumables companies.

Based on the number of NMPA registration certificates for medical consumable products as of the Latest Practicable Date, we ranked second in China.

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Analysis of Market Drivers and Future Trends

- **Population Aging and Rising Chronic Disease Burden Driving Growth in Rigid Demand**

The global aging process is accelerating, and the prevalence of chronic diseases such as diabetes, cardiovascular diseases, and cancer continues to rise. This directly increases long-term and recurrent demand for medical consumables. Aging societies also raise the frequency of consumables usage in both hospital and home-care settings, forming a stable market foundation and encouraging companies to focus on the R&D and commercialization of short- to medium-term and long-term treatment products such as PIVCs and PICC.

- **Technological Innovation and Product Iteration Driving Industry Upgrading and Safety Improvements**

Breakthroughs in materials science, antimicrobial technologies, and intelligent manufacturing — such as polyurethane PIVCs, power injectable PICC, and needle-free infusion connectors — have significantly improved the biocompatibility and operational efficiency of consumables. These innovations not only reduce complications but also align with the trend toward home healthcare, driving the market toward higher-end products. At the same time, the application of automated manufacturing processes optimizes production costs and quality, helping companies build technological barriers in a competitive market and meet clinical demand for precise and safe consumables.

- **Policy Support and Accelerated Domestic Substitution Increasing Industry Concentration**

Regulatory tightening and healthcare policy support (such as China’s centralized procurement) have lowered market entry barriers while promoting domestic substitution through cost-performance advantages and R&D breakthroughs. Policy orientation has accelerated the approval and penetration of advanced consumables, while also phasing out small and medium-sized manufacturers and driving industry consolidation toward leading players. This environment strengthens supply chain security and enables companies to enhance risk resilience and long-term competitiveness through diversified product portfolios and global collaboration.

- **Expansion into Emerging Markets Creating New Growth Opportunities**

Emerging markets such as Asia-Pacific, with large populations and strong medical demand, are becoming key growth drivers. Domestic companies are leveraging cost advantages to accelerate expansion. This transformation not only optimizes healthcare cost structures but also promotes the evolution of consumables toward greater personalization and intelligence.

OVERVIEW OF THE DRUG DELIVERY MEDICAL CONSUMABLES INDUSTRY

Overview

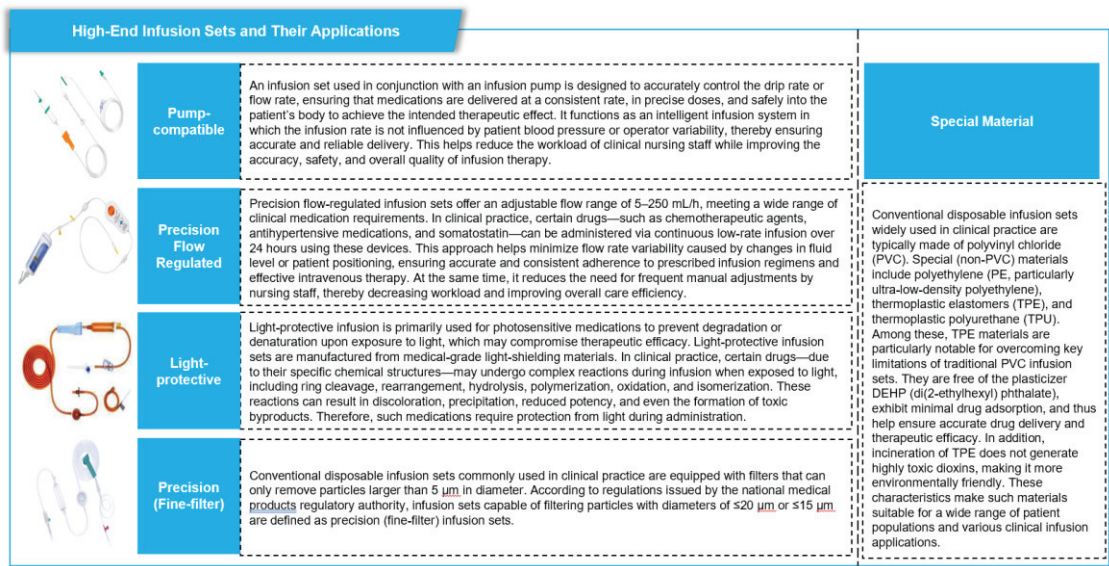
Drug delivery medical consumables refer to single-use materials, devices, and associated components used in clinical treatment, disease prevention, or nutritional support to enable the safe, precise, and continuous administration of drugs, nutritional fluids, blood products, and other substances both internally and externally. These consumables deliver substances from a container to specific sites within the patient’s body (e.g., intravenous, subcutaneous, or gastrointestinal) through mechanisms such as gravity infusion, pump-driven delivery, injection, or tube feeding, and are either consumed after use or require sterile replacement. Based on the route of administration, drug delivery consumables can be categorized into infusion products, injection products, and other devices (e.g., nasogastric tubes, enteral feeding tubes).

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Overview of Infusion Sets Market

An infusion set is a commonly used medical consumable. It is sterilized prior to use and establishes a channel between the vein and the infusion fluid for intravenous administration. An infusion set typically consists of eight connected components, including a venous needle, needle cap, infusion tubing, fluid filter, flow regulator, drip chamber, spike (for piercing the container closure), and air filter. Some infusion sets may also include additional components such as an injection port or medication port.

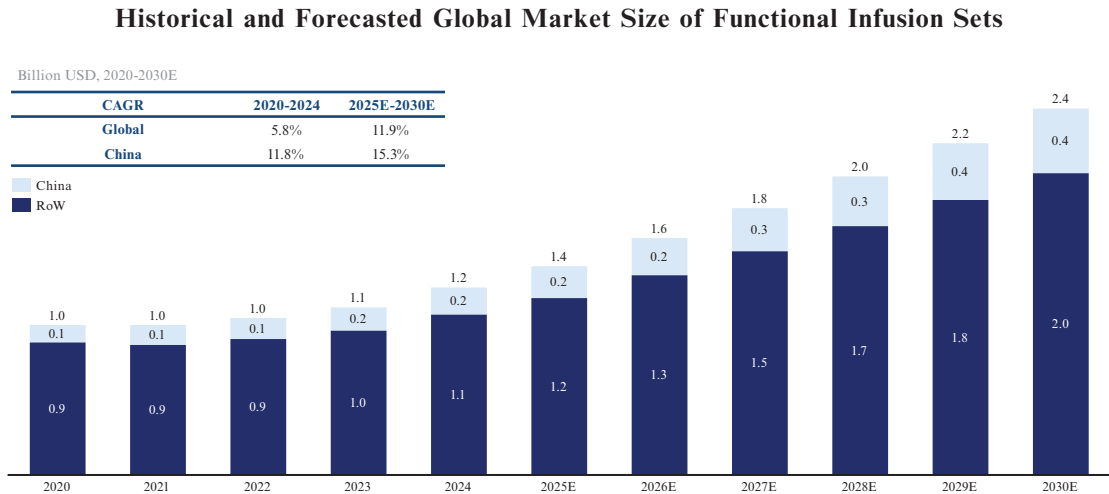
Classification of Infusion Sets



Source: Literature review, Frost & Sullivan analysis

Analysis of the Market Size of Infusion Sets

The following chart illustrates the global and China’s market size of functional infusion sets.



Source: Literature review, Frost & Sullivan analysis

INDUSTRY OVERVIEW

Note: Functional infusion sets include pump infusion sets, precision filtration infusion sets, TPE infusion sets, non-phthalate infusion sets, light-protective infusion sets, precision dosage adjustment infusion sets, etc.

Analysis of the Competitive Landscape of Infusion Sets

Our Company is one of the few domestic enterprises that simultaneously covers functional infusion sets such as pump infusion sets, light-proof infusion sets, precision infusion sets, and precision dosage adjustment sets. In terms of the number of infusion set registration certificates, our Company ranks first in China’s market among domestic companies.

In terms of sales volume of functional infusion set in 2025, our Company ranked second in the Chinese market.

Ranking	Company	Market Share
1	Company A	33.3%
2	Our Company	21.3%
3	Company B	12.0%

Source: Frost & Sullivan analysis

Notes:

1. Company A: Domestic listed company, founded in 1988, whose business scope covers the R&D, manufacturing, and marketing of medical device.
2. Company B: Domestic unlisted company, founded in 1995, whose business scope covers the R&D, manufacturing, and marketing of medical device.

Overview of Pump Consumables Market

Pump consumables are primarily responsible for delivering media such as medications, nutrient solutions, or blood products. Through mechanical linkage with the pump, they enable precise control of flow rate and infusion time, thereby improving the accuracy, stability, standardization, and safety of the infusion process. The classification of pump consumables is shown in the table below.

Type	Clinical advantages
Pump infusion sets	Compared to traditional gravity drip infusion, pump infusion sets can eliminate human error, achieve a constant flow rate, and significantly reduce infusion-related complications. They are especially suitable for infants, the elderly, or patients with poor vascular conditions.
Pump syringe and extension tubes	It enables constant infusion rate and precise quantification of infusion volume, and is widely used in high-risk clinical scenarios such as hemodialysis, chemotherapy, insulin infusion, nutrient solution delivery, and emergency rescue.

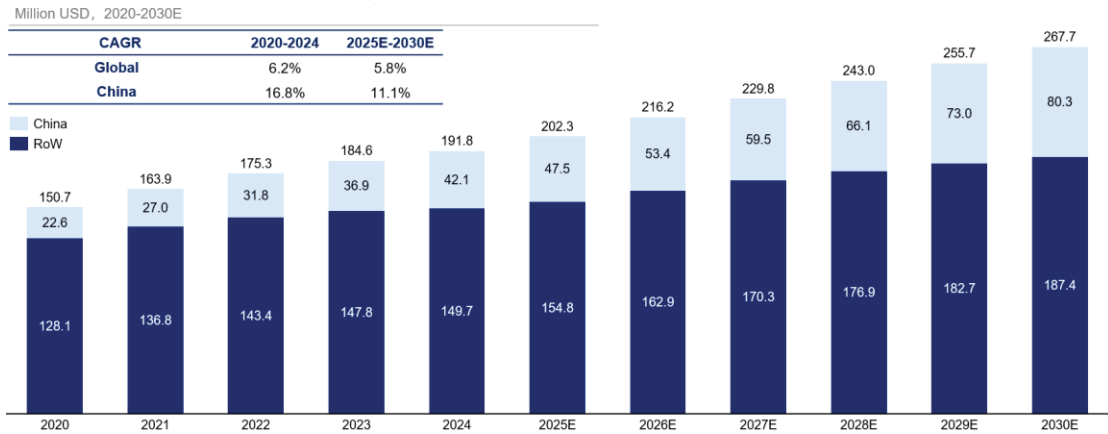
Source: Frost & Sullivan analysis

INDUSTRY OVERVIEW

Analysis of the Market Size of Pump Consumables

The following chart illustrates the global and China’s market size of pump consumables.

Historical and Forecasted Global Market Size of Pump Consumables



Source: Literature review, Frost & Sullivan analysis

Analysis of the Competitive Landscape of Drug Delivery Medical Consumables

In terms of the reported volume of centralized procurement in 24 provinces for pump consumables in 2025, Our Company ranked first in China’s market.

Ranking	Company	Market Share
1	Our Company	30.2%
2	Company A	26.0%
3	Company C	21.5%

Source: Frost & Sullivan analysis

Note:

- Company C: Foreign unlisted company, founded in 1839, whose business scope covers the provision and manufacturing of healthcare solutions.

OVERVIEW OF THE VASCULAR ACCESS MEDICAL CONSUMABLES INDUSTRY

Overview

Vascular access refers to a fast and direct route for infusion into and/or blood collection from blood vessels. Vascular access medical consumables are disposable materials, instruments, and accessories used during clinical treatment to achieve safe and reliable fluid delivery inside and outside blood vessels through methods such as puncture, catheterization, or implantation. These are used to establish, maintain, or manage channels for the infusion of blood, drugs, and nutritional fluids within the body. Safe and reliable venous access is fundamental to the treatment of hospitalized patients and many outpatients. Vascular access medical consumables can be categorized as shown in the table below.

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Classification of Vascular Access Medical Consumables and Unmet Clinical Needs

Category	Representative Products	Unmet Clinical Needs
Peripheral Venous Access	PIVC, mini midline catheters, midline catheters	Increasing diversification of peripheral access needs, such as safety needles, high-pressure resistance, material optimization, and specialized devices for dialysis. Continuous improvement is required in the safety and applicability of indwelling devices.
Central Venous Access	PICC, PORTs and Huber needles, umbilical arterial and venous catheters for infants, CVC, hemodialysis catheter	Need to improve long-term indwelling safety (e.g., anti-reflux), high-pressure resistance, and ease of use of dedicated accessory tools, while reducing complication risks.
Others	Needle-free connectors, anti-drug three-way stopcocks	Need to enhance connection sealing, anti-reflux performance, drug resistance, and ease of operation, while reducing infection and operational risks.

Source: Literature review, Frost & Sullivan analysis

Vascular access consumables serve as the core channel connecting patients with treatment solutions in medical care and are indispensable in life support, chronic disease management, and complex treatments. They provide stable fluid delivery pathways for key therapies such as hemodialysis, tumor chemotherapy, and parenteral nutrition. Advanced vascular access consumables can reduce vascular damage and infection risks caused by repeated punctures, improve treatment efficiency and patient comfort, and continuously enhance long-term indwelling safety and ease of operation through technological innovations (e.g., biocompatible materials). At the same time, they are widely used across multiple scenarios — including emergency rescue, day surgery, and home care — making them an important carrier of precision and patient-centered modern healthcare. They also play a significant role in reducing healthcare costs and improving patients’ quality of life.

Overview of the PIVC Market

A PIVC is a medical device used for peripheral venous infusion that can remain in the vein for a short period (≤ 72 hours). It eliminates the need for repeated punctures during infusion, thereby reducing patient discomfort and lowering the workload of healthcare staff. It is suitable for patients requiring long-term infusion, elderly patients, pediatric patients, and unconscious patients. In particular, for critically ill patients, it allows immediate venous access and early administration of medication (infusion or blood transfusion), improving the success rate of emergency treatment. At the same time, special patient groups such as those with AIDS can also benefit from safety PIVCs, reducing occupational exposure risks for healthcare workers.

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Classification of Peripheral Intravenous Catheters (PIVCs)

Category	Clinical Advantages
Y-type PIVC	Effectively reduces or even avoids blood exposure, lowers the risk of bacterial infection in patients, and helps protect patient health.
Straight PIVC	Requires only insertion of the infusion needle into the PIVC hub, without the need for additional infusion tubing, significantly reducing the risk of blockage.

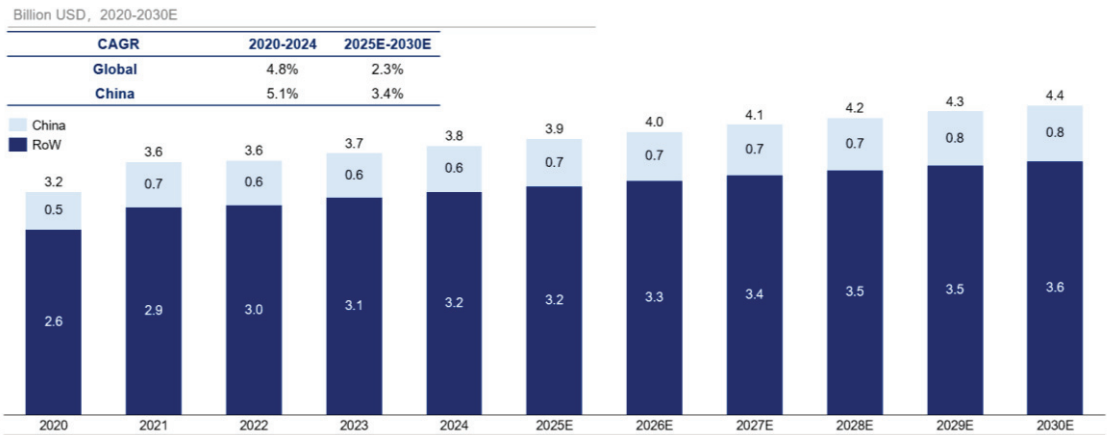
Source: Literature review, Frost & Sullivan analysis

Among these, polyurethane PIVCs demonstrate excellent mechanical properties, being less prone to bending or deformation during puncture, and their rigidity decreases under body temperature conditions. This not only improves puncture success rates but also reduces complications such as vascular damage, thereby showing broader clinical applications and commercialization prospects.

Analysis of the Market Size of PIVCs

The following chart illustrates the global and China’s market size of PIVCs.

Historical and Forecasted Global Market Size of PIVCs



Source: Literature review, Frost & Sullivan analysis

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Analysis of the Competitive Landscape of PIVCs

In recent years, the domestic substitution trend in China’s PIVC market has accelerated, leading to a decline in market share for imported brands. Currently, the market is dominated by domestic brands. In terms of sales volume of PIVCs in 2025, Our Company ranks fourth in China’s market.

Ranking	Company	Market Share
1	Company A	18.5%
2	Company D	16.9%
3	Company E	9.2%
4	Our Company	8.7%
5	Company C	6.9%

Source: Frost & Sullivan analysis

Notes:

1. Company D: Domestic listed company, founded in 1996, whose business scope covers the R&D, manufacturing, and marketing of medical device.
2. Company E: Foreign listed company, founded in 1897, whose business scope covers the R&D, manufacturing, and marketing of medical device.

Overview of Mini Midline Catheters Market

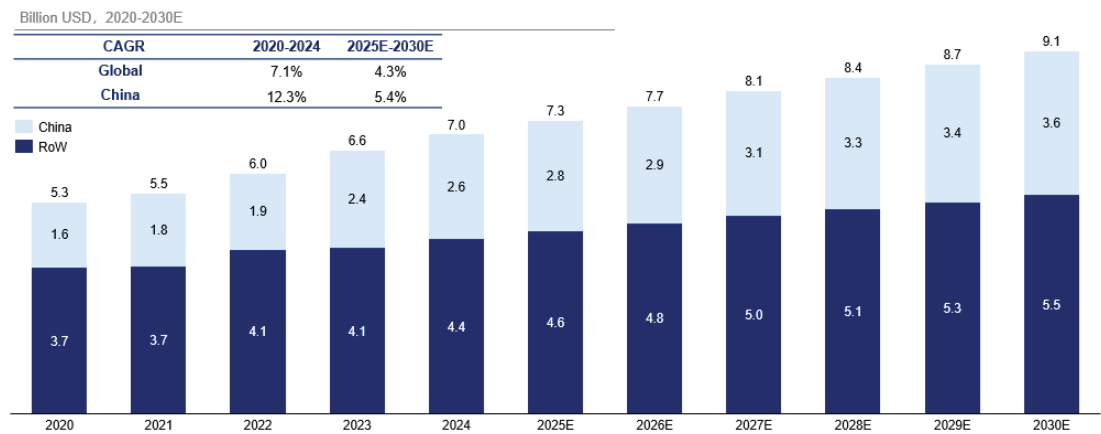
A mini midline catheter is a peripheral intravenous device, whose length is placed between a short peripheral venous catheter and a midline catheter. It is typically made of polyurethane and measures 6–15 centimeters. The device is inserted by conventional venipuncture or ultrasound guidance into superficial forearm veins or deeper veins of the mid-upper arm. The catheter tip remains below the axilla. Mini midline catheters are primarily indicated for patients requiring short-to intermediate-term intravenous therapy (1–4 weeks, particularly 7–14 days). They effectively bridge the gap between PIVCs and PICCs. Most patients require only a single catheter for their entire hospital stay, enabling a “single-catheter approach” that eliminates the discomfort of repeated punctures and reduces the risk of complications.

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Analysis of the Total Addressable Market Size of Mini Midline Catheters

The average length of hospital stay for inpatients in China generally ranges from 3 to 20 days, reflecting a massive demand for medium-to-short-term treatment. Mini midline catheters are positioned to fill the current gap in this market segment. However, the mini midline catheter market remains in its infancy. It faces challenges such as insufficient market education and technical limitations, which have prevented its widespread adoption so far. Nevertheless, driven by its advantages, easy operation, high success rate, fewer complications, and lower total treatment cost, market penetration is expected to accelerate in the coming years. The future market potential for mini midline catheters is vast. The following chart illustrates the global and China’s total addressable market size of mini midline catheters.

Historical and Forecasted Global Total Addressable Market Size of Mini Midline Catheters



Source: Literature review, Frost & Sullivan analysis

Analysis of the Competitive Landscape of Mini Midline Catheters

In terms of sales volume of mini midline catheters in 2025, Our Company ranked first in the Chinese market.

Ranking	Company	Market Share
1	Our Company	41.9%
2	Company F	30.8%

Source: Frost & Sullivan analysis

Note:

1. Company F: Domestic unlisted company, founded in 2006, whose business scope covers the R&D, manufacturing, and marketing of medical device.

Overview of Peripherally Inserted Central Catheters (PICCs) Market

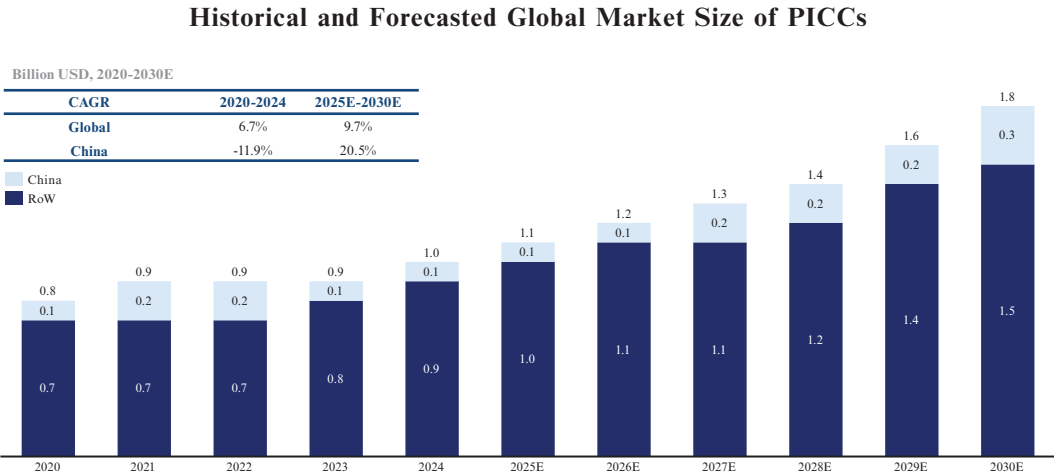
A PICC is a long, flexible catheter that can be inserted into a vein in the upper arm or lower limb. It can be threaded through a vein in the upper arm to reach the superior vena cava and is used for chemotherapy, blood transfusions, intravenous infusions, and blood sampling. Its advantages include a wide range of applications, convenient drug administration, and minimal disruption to daily activities.

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To address the risk of catheter rupture during high-pressure injection of contrast agents, some companies have developed power injectable PICC lines that can meet the demands of high-flow infusion, hemodynamic monitoring, and high-pressure injection of contrast agents. In terms of revenue, power injectable PICC accounts for 15% to 20% of the overall PICC market in 2025.

Analysis of the Market Size of PICCs

The following chart illustrates the global and China’s market size of PICCs.



Source: Literature review, Frost & Sullivan analysis

Analysis of the Competitive Landscape of PICCs

In terms of sales volume of power injectable PICCs in 2025, Our Company ranked second in China’s market.

Ranking	Company	Market Share
1	Company E	50.0%
2	Our Company	40.2%
3	Company G	4.8%

Source: Frost & Sullivan analysis

Note:

1. Company G: Domestic unlisted company, founded in 1994, whose business scope covers the R&D, manufacturing, and marketing of medical device.

Overview of Needle-Free Connectors Market

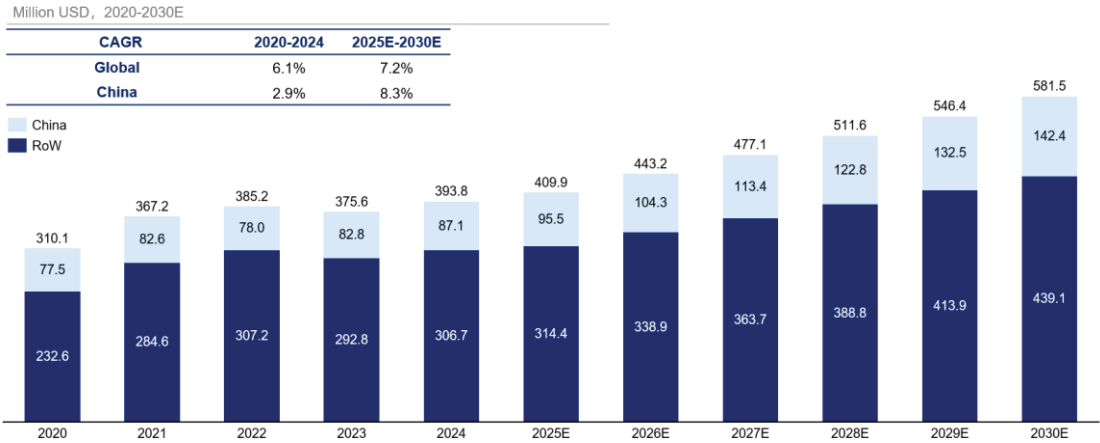
A needle-free connector is a component of a needle-free intravenous (IV) system. It eliminates the need for steel needle access through rubber stopper (e.g., heparin caps) by allowing direct connection of infusion sets or syringes to the connector. Needle-free connectors are easy to use, help prevent needlestick injuries among healthcare workers, and support rapid bolus injection. They are suitable for a wide range of intravenous infusion applications. Their primary advantage is ensuring the safety of both healthcare professionals and patients.

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Analysis of the Market Size of Needle-Free Connectors

The following chart illustrates the global and China’s market size of needle-free connectors.

Historical and Forecasted Global Market Size of Needle-Free Connectors



Source: Literature review, Frost & Sullivan analysis

Analysis of the Competitive Landscape of Needle-Free Connectors

In terms of sales volume of needle-free connectors in 2025, Our Company ranked fourth in the Chinese market, and ranked second among the domestic companies.

Ranking	Company	Market Share
1	Company E	23.1%
2	Company C	22.9%
3	Company H	16.2%
4	Our Company	8.8%
5	Company A	4.5%

Source: Frost & Sullivan analysis

Note:

- Company H: Domestic unlisted company, founded in 1999, whose business scope covers the R&D, manufacturing, and marketing of medical device.

Overview of Implanted Ports (PORTs) and Huber Needles Market

A PORT is a fully implanted vascular access device used for medium- to long-term intravascular therapy. It provides intravascular access for drug administration. The system primarily consists of a port reservoir (port body), a catheter, and a dedicated non-coring needle (Huber needle).

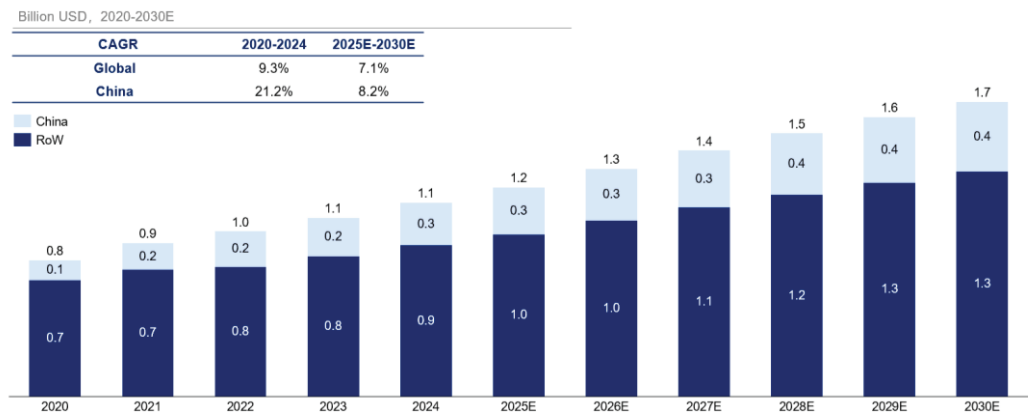
PORTs offer several significant clinical advantages. They reduce the pain for repeated venipuncture, are easy to maintain, have a long service life, and are associated with a low rate of complications. In addition, they enable direct delivery of chemotherapeutic agents and other medications into central veins, thereby improving treatment safety and efficacy while minimizing vascular injury from irritant drugs. PORTs can also be used for blood sampling. Long-term use does not increase overall costs and helps ensure the continuity of patients’ daily lives and work to a certain extent.

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Analysis of the Market Size of PORTS and Huber Needles

The following chart illustrates the global and China’s market size of PORTS and Huber needles.

Historical and Forecasted Global Market Size of PORTs and Huber Needles



Source: Literature review, Frost & Sullivan analysis

OVERVIEW OF THE BLOOD SPECIMEN COLLECTION MEDICAL CONSUMABLES INDUSTRY

Overview

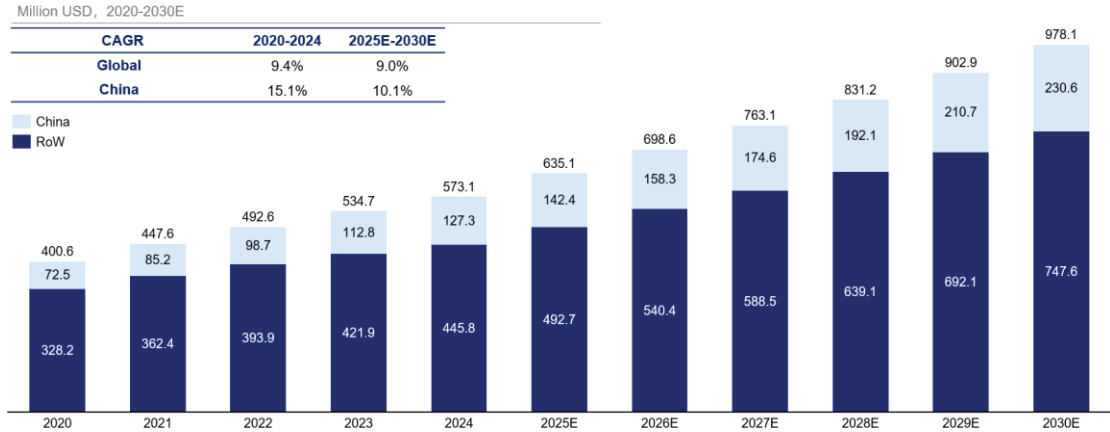
Blood specimen collection medical consumables refer to consumable medical devices used in clinical settings to collect blood samples from patients (veins, arteries, or capillaries) for laboratory testing, biochemical analysis, genetic testing, or transfusion preparation. They are mainly divided into venous collection and arterial collection consumables. Unlike venipuncture, arterial blood collection requires higher operational skills and equipment standards, as it needs to avoid blood coagulation, gas escape, or contamination. Thus, the market for arterial blood sampler has significant commercial development potential. Additionally, some blood collection needles with special clinical functions, such as safety-engineered needles that reduce the risk of blood exposure and cross-infection for healthcare workers and patients, also possess notable commercial advantages.

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Analysis of the Market Size of Arterial Blood Sampler

The global and China’s market size for arterial blood sampler is shown in the figure below.

Historical and Forecasted Global Market Size of Arterial Blood Sampler



Source: Literature review, Frost & Sullivan analysis

Analysis of the Competitive Landscape of Arterial Blood Sampler

In terms of sales volume of arterial blood sampler in 2025, our Company ranked second in China’s market, and first among domestic companies.

Ranking	Company	Market Share
1	Company I	15.0%
2	Our Company	12.3%
3	Company E	6.0%

Source: Frost & Sullivan analysis

Note:

1. Company I: Foreign unlisted company, founded in 1935, whose business scope covers the provision of point-of-care testing instruments for critical care and related services.

OVERVIEW OF THE GLOBAL INTERVENTIONAL MEDICAL CONSUMABLES INDUSTRY

Overview

Interventional medical consumables refer to consumables used for precise diagnosis and treatment of the human body under the guidance of advanced imaging equipment, through minimally invasive catheters, guidewires, and other tools. These consumables have the advantages of being minimally invasive, safe, and having reliable efficacy, and are currently widely used in multiple fields such as coronary arteries, peripheral blood vessels, and nerves.

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Analysis of Epidemiology

The number of PCI procedures globally increased from 6.2 million in 2020 to 9.9 million in 2024, representing a CAGR of 12.4% from 2020 to 2024. It is projected to reach 15.6 million by 2030, with a CAGR of 7.8% from 2025 to 2030. The number of PCI procedures in China increased from 1.0 million in 2020 to 1.9 million in 2024, representing a CAGR of 18.5% from 2020 to 2024. It is projected to reach 4.0 million by 2030, with a CAGR of 11.7% from 2025 to 2030.

The number of neurointerventional procedures globally increased from 1.2 million in 2020 to 1.9 million in 2024, representing a CAGR of 16.1% from 2020 to 2024. The number of neurointerventional procedures performed globally is projected to reach 5.1 million by 2030, with a CAGR of 15.3% from 2025 to 2030. In China, the number of neurointerventional procedures increased from 0.1 million in 2020 to 0.4 million in 2024, representing a CAGR of 35.8% from 2020 to 2024. It is projected that by 2030, the number of neurointerventional procedures in China will reach 1.5 million, with a CAGR of 23.1% from 2025 to 2030.

Globally, the number of interventional procedures for peripheral artery disease increased from 1.7 million in 2020 to 2.8 million in 2024, representing a CAGR of 13.3% from 2020 to 2024. It is projected that by 2030, the number of neurointerventional procedures performed globally will reach 5.4 million, with a CAGR of 11.3% from 2025 to 2030. The number of interventional procedures for peripheral artery disease in China increased from 0.1 million in 2020 to 0.3 million in 2024, representing a CAGR of 21.4% from 2020 to 2024. It is projected that the number of neurointerventional procedures worldwide will reach 0.6 million by 2030, with a CAGR of 14.0% from 2025 to 2030.

OVERVIEW OF THE GLOBAL SURGICAL MEDICAL CONSUMABLES INDUSTRY

Overview

Surgical medical consumables refer to tools and materials used for disposable or short-term purposes during surgical procedures to perform operations such as incision, hemostasis, suturing and drainage, ensuring surgical safety and patient recovery. With the development of medical technology, the market for products with wide applications, such as functional dressings and surgical drainage products, as well as products with high technical and performance requirements, such as nerve block needles, is constantly expanding, and their commercial prospects are broad.

Analysis of Epidemiology

The development of surgical medical consumables is primarily driven by the increase in the number of surgical procedures worldwide. The number of surgical procedures globally increased from 268.5 million in 2020 to 327.4 million in 2024, representing a CAGR of 5.1% from 2020 to 2024. It is projected that by 2030, the number of surgical procedures globally will reach 430.7 million, with a CAGR of 4.7% from 2025 to 2030.

The number of surgical procedures in China increased from 63.2 million in 2020 to 103.1 million in 2024, representing a CAGR of 13.0% from 2020 to 2024. It is projected that by 2030, the number of surgical procedures in China will reach 154.8 million, with a CAGR of 7.0% from 2025 to 2030.

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OVERVIEW OF THE GLOBAL MEDICAL IMAGING CONSUMABLES INDUSTRY

Overview

Medical imaging consumables are key tools for assisting medical imaging examinations and interventional treatments. Their core function is to provide imaging equipment with a clear imaging path for blood vessels or tissues, and to help doctors locate lesions, assess vascular structures, and guide interventional procedures by precisely delivering contrast agents or treatment media. These consumables are core tools in modern medical diagnosis and treatment, significantly improving disease diagnosis efficiency and the success rate of interventional surgeries by enhancing image clarity and precisely delivering treatment media. The main consumables include single-use high-pressure contrast injectors and accessories, pressure extension tubes, contrast catheter PIVC, and high-pressure injection system tubing.

Analysis of Epidemiology

With global aging and improved accessibility of healthcare services, the number of medical imaging scans worldwide is increasing annually. Global medical imaging scans grew from 8.9 billion in 2020 to 13.1 billion in 2024, representing a CAGR of 10.3% from 2020 to 2024. It is projected that by 2030, global medical imaging scans will reach 19.3 billion, with a CAGR of 6.3% from 2025 to 2030.

In China, medical imaging scans grew from 2.5 billion in 2020 to 3.2 billion in 2024, representing a CAGR of 6.4% from 2020 to 2024. It is projected that by 2030, China’s medical imaging scans will reach 3.9 billion, with a CAGR of 3.3% from 2025 to 2030.