

Surgical Instrument Tracking Systems Market Report by Component (Hardware, Software, Services), Technology (Barcode Tracking, Radio Frequency Identification (RFID)), End User (Hospitals, Ambulatory Surgical Centers, Research Centers, and Others), and Region 2024-2032

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Abstracts

The global surgical instrument tracking systems market size reached US\$ 242.3 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 732.1 Million by 2032, exhibiting a growth rate (CAGR) of 12.8% during 2024-2032.

Surgical instrument tracking systems are used to manage inventory at various stages of surgical procedures to meet the unique needs of healthcare professionals and improve the quality of patient care. They ensure the accessibility of necessary instruments in real-time, which further help reduce case delays, enhance operation safety, simplify complex tasks, and manage workflow efficiently. They can also create detailed load records of defective devices and provide comprehensive insights into usage patterns. As a result, surgical instrument tracking systems are utilized in hospitals, private clinics, and ambulatory surgery centers (ASCs) to minimize medical errors in operation theatres (OTs), enhance staff productivity, and collect surgical inventory data.

Surgical Instrument Tracking Systems Market Trends:

Errors in surgical instrument processing can lead to high operative time and costs and increased risk of surgical infections, perioperative morbidity, and retained surgical item (RSI) cases. This, in confluence with the rising number of individuals undergoing surgical procedures, represents one of the major factors driving the need for surgical instrument tracking systems to improve the safety of surgical care in hospitals. In

addition, the growing geriatric population with chronic ailments like cardiovascular diseases (CVDs), arthritis, cancer, and obesity is catalyzing the demand for surgical instrument tracking systems to prevent infections caused by contaminated instruments. Apart from this, several medical equipment suppliers are offering comprehensive surgical instrument tracking systems incorporated with the latest scanning software for proper central sterile supply department (CSSD) management. They are also focusing on developing systems with automatic identification and data capture technologies, such as two-dimensional (2D) barcodes and radio frequency identification (RFID) tags. This, along with the growing emphasis on better patient care and inventory management, is influencing the market positively.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global surgical instrument tracking systems market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on component, technology and end user.

Breakup by Component:

- Hardware
- Software
- Services

Breakup by Technology:

- Barcode Tracking
- Radio Frequency Identification (RFID)

Breakup by End User:

- Hospitals
- Ambulatory Surgical Centers
- Research Centers
- Others

Breakup by Region:

- North America
- United States

Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Becton Dickinson and Company, Censis Technologies (Fortive), Fingerprint Medical Limited, Getinge AB, Scanlan International, Spatrack Medical Limited, Steelco S.p.A. (Miele), Steris, Ternio Group LLC and Xerafy Singapore Pte Ltd.

Key Questions Answered in This Report

1. What was the size of the global surgical instrument tracking systems market in 2023?
2. What is the expected growth rate of the global surgical instrument tracking systems market during 2024-2032?
3. What are the key factors driving the global surgical instrument tracking systems market?
4. What has been the impact of COVID-19 on the global surgical instrument tracking systems market?

5. What is the breakup of the global surgical instrument tracking systems market based on the component?
6. What is the breakup of the global surgical instrument tracking systems market based on the technology?
7. What is the breakup of the global surgical instrument tracking systems market based on the end user?
8. What are the key regions in the global surgical instrument tracking systems market?
9. Who are the key players/companies in the global surgical instrument tracking systems market?

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