

Global Automated Suturing Devices Market is projected to achieve a valuation of US\$ 6.5 Billion by 2033 | FMI

North America leads automated suturing device market with 7.5% CAGR till 2033, driven by advanced techniques & robotic surgery innovations.

NEWARK, DELAWARE, UNITED STATES OF AMERICA, December 6, 2023 /EINPresswire.com/ -- The global [automated suturing devices market](#) anticipates registering a valuation of US\$ 3.2 billion in 2023 and securing a valuation of US\$ 6.5 billion by 2033. The global market is projected to capture a CAGR of 7.4% during the forecast period.



Medical practises are being revolutionised by technological breakthroughs in the constantly changing world of modern healthcare. Automated Suturing Devices Market is one such innovation that has shown tremendous growth. These innovative instruments have several advantages, from speeding up surgery and increasing accuracy to bettering patient outcomes. This blog examines the market for automated suturing devices, which is expanding quickly, and its possible effects on the medical sector.

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Traditional suturing methods demand sustained concentration and deft handwork. However, surgeons' dexterity and control can be enhanced with automated suturing equipment. These devices have cutting-edge features including tension adjustment, precise needle positioning, and automatic knotting that allow for quicker and more effective wound closure. This effectiveness not only shortens the length of the procedure but also lowers the danger of infection and expedites the patients' recovery.

[Automated suturing devices market demand](#) use cutting-edge technologies to stitch with unmatched precision during operations, such as robotic assistance and computer-guided stitching. Controlled stitching improves patient outcomes and decreases the need for follow-up treatments by considerably lowering the likelihood of complications and wound dehiscence.

How Manufacturers Expanding Automated Suturing Devices Market?

Manufacturers were expanding their presence in the market through various strategies including:

Research and Development: Manufacturers were investing significantly in research and development to improve the functionality and usability of automated suturing devices. It includes enhancing automation capabilities, developing precise and efficient suturing techniques, and exploring new materials for sutures.

Technological Innovations: Automation in suturing devices integrating robotics, artificial intelligence, and advanced sensors. These technologies allowed for precise and consistent suturing, reducing the risk of complications and improving patient outcomes.

Miniaturization: As minimally invasive surgical procedures gained popularity, manufacturers focused on developing small, compact automated suturing devices. These devices enable surgeons to perform suturing in tight spaces with great precision.

Collaboration with Healthcare Professionals: Manufacturers collaborated closely with surgeons and healthcare professionals to understand their needs and gather valuable insights. Additionally, this collaboration helped design suturing devices that catered to specific surgical requirements and improved user experience.

Market Expansion: Manufacturers expanded their distribution networks and partnerships to reach a broad customer base. It involved forging alliances with healthcare institutions, surgical centers, and distributors to ensure their automated suturing devices were widely available.

Training and Education: Proper training and education for surgeons and medical staff are crucial for successfully adopting automated suturing devices. Manufacturers provided training programs and support to ensure users could operate the machines effectively and safely.

Regulatory Compliance: As with any medical device, regulatory compliance is essential. Manufacturers focused on obtaining necessary approvals and certifications to meet international standards, ensuring the safety and efficacy of their automated suturing devices.

Cost-effectiveness: Manufacturers worked on improving the cost-effectiveness of their devices to make them accessible to healthcare facilities of varying sizes and budgets.

Key Takeaways from FMI's Automated Suturing Devices Market Study:

The global market is estimated to secure a CAGR of 7.4% with a valuation of US\$ 6.5 billion by 2033.

In the historical period, the global market secured a CAGR of 6.0% between 2018 and 2022.

The United States is anticipated to dominate the global market by capturing a maximum share of 31.9% by 2033.

With a share of 4.8%, Germany is significantly driving the global market during the forecast period.

The automated suturing devices market in the U.S. will witness positive growth owing to rising prevalence of cardiovascular diseases and requirement for invasive procedures in the country.

France will find lucrative opportunities during the forecast period as according to the Organization of Economic Cooperation and Development, approximately 148075 minimal invasive surgeries took place in France in 2018. The country also has presence of several manufacturers such as Guerbet, Sanofi, and others.

Disposable automated suturing devices are expected to lead the product segment as they are cost-effective. Rising demand for laparoscopy and minimally invasive procedures are also encouraging demand for the same.

Hospitals will exhibit high demand for automated suturing devices since they receive a higher footfall of patients on a daily basis.

“Several leading players are aiming for clearance from the United States Food and Drug Administration to launch advanced automated suturing devices. With focus on technological improvements on cards, the market is expected to gain momentum in the coming years,” opines Sabyasachi Ghosh Associate Vice President at Future Market Insights (FMI).

Key Companies Profiled:

Apollo Endosurgery
Medtronic Plc.
Boston Scientific Corporation
C.R Bard Inc.
EndoEvolution LLC
LSI Solutions Inc.
SuturTek Inc.

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Automated Suturing Devices Market Segmentation

By Product:

Reusable
Disposable

By Application:

Minimally Invasive Surgeries
Open Surgeries
Trauma Cases

By End Use:

Hospitals
Clinics
Ambulatory Surgical Centers

Explore FMI's related ongoing Coverage on Healthcare Market Insights Domain:

[Endoluminal Suturing Devices Market Size](#): The global endoluminal suturing devices market is valued at US\$ 94.9 million in 2023, and is expected to reach US\$ 295.4 Million by 2033, the market's CAGR from 2023 to 2033 will be 12.0%.

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