

Robotic Surgery Market Report

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The robotic surgery system market in North America is a clear evidence of the region's inclination towards advanced technologies. This regional market is the highest contributor to the growth of the global robotic surgery systems market. According to the projections of Persistence Market Research, the North America robotic surgery systems market is expected to reach a market value of US\$ 4,000 Mn by the end of 2026, with an exponential CAGR of 12.9% during the forecast period.

Before robotic surgery systems were introduced, most of the prostatectomies (about 95%) were performed with an open incision. Minimally invasive surgery wasn't an option for men needing a prostatectomy even though laparoscopy was available and in use for other types of surgeries. In contrast, presently, more than 85% of the prostatectomies performed in the U.S. are done through robotically assisted minimally invasive surgeries. This shift has also been a part of patients' move towards a cost-effective treatment option.

Obtaining regulatory approvals is not an easy task. When companies modify existing products or develop new products, they must receive

permission from the regulatory bodies of the respective countries. Along with regulatory approvals, robotic surgery systems require additional testing, certification, modification and amendments of their already existing market approvals

When a product is exported to another country, companies may be required to modify their pre-installed systems at various facilities to comply with the revised regulations. This complicates the process of exporting the products, further hindering the demand for robotic surgery systems in foreign countries.

There is also a lot of negative publicity surrounding the use of robotic systems in surgeries. Efficacy and patient safety associated with robotic surgeries has been questioned a number of times in statements by public officials and their concerns may hinder the global acceptance of robotic surgical systems.

This may, in effect result in decreased product demand and a decline in sales revenue. In addition, it could also lead to an increase in the number of product liability claims, irrespective of whether they are relevant.

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