

Surgical Stapler - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The Global Surgical Stapler Market size is expected to grow from USD 4.5 billion in 2024 to USD 5.7 billion by 2029, registering a CAGR of 4.76% during the forecast period.

The outbreak of the pandemic adversely impacted the surgical stapler market initially. The cancellation and postponement of the surgical procedures declined the demand for the surgical stapler as it is one of the essential requirements of the surgery. For instance, according to the study published by the Nature Jshed by the Nature Journal in June 2022, elective surgeries were temporarily suspended several times during the COVID-19 pandemic. The same source also reported evidence suggesting a reduction in elective vascular, orthopedic, and trauma surgery. However, with the relaxation of lockdown restrictions and the resumption of surgeries, the market has started to gain traction. It is expected to continue the upward trend over the forecast period.

The increasing preference for minimally invasive procedures, technological advances like the introduction of absorbable staplers, and increasing usage of surgical staplers in bariatric surgery are the major factors propelling the market growth. Minimally invasive surgeries (MIS) are reported to cause less post-operative pain; hence, patients receive smaller painkillers. As minimal cuts or stitches are involved, the hospital stay is relatively shorter, and patients need not visit the hospital frequently. In addition, due to such advantages, healthcare professionals also prefer minimally invasive procedures, so the adoption rate is increasing more rapidly. For instance, the increasing preference by patients for minimally invasive surgeries and endoscopic procedures due to the suggestions by healthcare professionals leads to higher adoption of it and thus drives the growth of the market. For instance, according to the NCBI research article published in February 2022, in the studied population, about 57.0% of the patients preferred MIS and made their decision under the influence of the surgeons as their surgeons were more confident in MIS procedures and reported less perceived disadvantages following their surgery compared with the open surgery cohort. Such

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studies depict the higher acceptance among healthcare professionals and patients of MIS over traditional procedures, leading to increased demand for surgical staplers.

Furthermore, the technological advancements in surgical staplers are another major factor driving the market's growth. There have been revolutionary advances in developing surgical staplers in the last few years. For Instance, In April 2021, Ethicon, a part of the Johnson and Johnson company, launched the powered surgical stapler, the Echelon stapler, with gripping surface technology reloads. Similarly, in June 2021, Intuitive India, a global technology company in minimally invasive care and a pioneer in robotic-assisted surgery (RAS), launched India's first robotic-assisted surgical stapler called SureForm, which is equipped with SmartFire technology-embedded software. Therefore, due to technological advancements, product launches, and increasing adoption of minimally invasive procedures, considerable market growth is expected over the forecast period.

However, the increased risk of infections, other adverse events, and stringent safety regulations will likely hinder the market growth over the forecast period.

Surgical Stapler Market Trends

The Orthopedic Surgery Segment Holds a Major Share in the Market

Orthopedic surgery is a specialty that deals with acute injuries, congenital and acquired disorders, and chronic arthritic or overuse conditions of the bones, joints, and their associated soft tissues, including ligaments, nerves, and muscles.

The increasing burden of orthopedic disorders is one of the major drivers for the segment. For instance, according to the research article published in March 2021 by Versus Arthritis, around 8.5 million adults in the United Kingdom were clinically diagnosed with Osteoarthritis in 2021. The same source also stated that around 3.0 million people suffered from osteoporosis in the United Kingdom in 2021, and around 500,000 fragility fractures occur yearly in the United Kingdom. Furthermore, market players focus on continuous developments and launches of novel products to gain a competitive edge. For instance, in August 2021, Fuse Medical Inc. launched the first implantations of the Fuse Orbutum Compression Staple. This was the Latest addition to Fuse's Comprehensive orthopedic portfolio of internal fixation devices for the upper and lower extremities. Similarly, in February 2023, OSSIO, Inc., an orthopedic fixation technology company, launched the new OSSIOfiber compression clip for orthopedic fixation. OSSIOfiber compression clips allow the company to provide solutions for many midfoot and hindfoot procedures, including Lapidus fusion, midfoot fusion, and procedures associated with flatfoot correction.

Thus, owing to product launches and increasing cases of orthopedic disorders, significant segment growth is expected over the forecast period.

North America is Expected to Witness Considerable Growth Over the Forecast Period

North America is expected to witness considerable growth over the forecast period. The major factors propelling the market growth in this region include a large obese population and the increasing adoption of minimally invasive procedures. For instance, according to the NCBI research study published in April 2022, the United States healthcare system moved towards value-based care, and the hospitals increased efforts to improve quality, reduce unnecessary resource use, and increase its shift towards minimally invasive surgical procedures. The article also quoted that MIS patients had shorter lengths of stay than the open approach: 1.87 days for lobectomy, 1.34 days for colon resection, 0.47 days for rectal resection, and 1.21 days for radical nephrectomy. Since surgical staplers are the most preferred option in minimally invasive surgeries to bind tissues, increasing adoption of MIS is expected to positively impact the market growth in the region.

Key product launches, high concentration of market players or manufacturer's presence, acquisition and & partnerships among

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major players, and product approvals in the United States are some of the factors driving the growth of the surgical staplers market in the country. For instance, in December 2021, Intuitive received Food and Drug Administration clearance for an 8mm Sureform 30 curved-Tip Stapler, a robotic stapler with 120-degree articulation and Smartfire technology. Also, the increasing incidence of disorders such as osteoarthritis in the United States is expected to increase the demand for the surgical stapler market. According to the Centers for Disease Control and Prevention report in 2021, in the United States, 24.0% of all adults, or 58.5 million people, have arthritis. Therefore, considerable market growth is expected in the country due to such factors.

Surgical Stapler Industry Overview

The surgical stapler market is fueled by the superior quality of surgical staplers, technological advancements, product approvals, and their applications across various fields. The competitive landscape includes an analysis of a few international and local companies that hold market shares and are well known. Some major players include Medtronic PLC, Ethicon (J&J), B. Braun Melsungen AG, ConMed Corporation, and 3M Company.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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