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Surgical Power Tools Market By Product (Surgical drill, Surgical saw, Reamer, Power source, Accessories), By Technology (Electric operated, Battery operated, Pneumatic operated), By Application (Orthopedic Surgery, Cardiothoracic Surgery, Spine and Neuro Surgery, Others), By End User (Hospitals, Clinics, Ambulatory Surgical Centers, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

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Report description:

The global surgical power tools market size was valued at $2,275.2 million in 2021, and is projected to reach $3,783.7 million by 2031, growing at a CAGR of 5.2% from 2022 to 2031.Surgical power tools are medical instruments used to shape, cut, drill, and fixate bone and soft tissues during surgical procedures. These tools are powered by battery, compressed air, or electricity and are used in various surgical procedures such as orthopedic procedures, neurosurgery, Ear, Nose, and Throat (ENT) surgery, plastic surgery, and arthroplasty procedures. Some of the common types of surgical power tools include drills, saws, reamers, burrs, shavers, and dermatomes. These tools are minimally invasive and designed to be precise and efficient. These help reduce the time required for a surgical procedure and help minimize the risk of injury to the patient and reconstructive surgeries.
The surgical power tools market growth is driven by increase in number of surgical procedures such as orthopedic surgeries and rise in number of key players offering advanced surgical power tools. For instance, according to a report by Australian Orthopedic Association National Joint Replacement Registry (AOANJRR), about 1,853,452 joint replacement procedures were reported in 2021 with majority of them being hip and knee replacement surgeries. In addition, various market key players offer advanced surgical power tools for knee replacement surgeries such as Battery Power Line II (Johnson and Johnson) and Precision Falcon (Stryker Corporation). Thus, rise in surgical procedures and availability of advanced surgical power tools boost the growth of the market. Furthermore, increase in geriatric population boost the market growth. In geriatric population, there is a higher incidence of chronic diseases such as orthopedic disorders and neurological disorders that require surgical intervention which propels the demand for surgical power tools. For instance, according to an article published by American Geriatric Society (AGS) in 2021, about

60 million population in the U.S. aged 65 years or above and 80% of these population suffer from musculoskeletal conditions. In addition, according to report of Cancer.Net, the official website of the American Society of Clinical Oncology (ASCO), estimated that around 308,102 people were diagnosed with a primary brain or spinal cord tumor in 2020, across the globe. Thus, rise in the prevalence of geriatric population has resulted in increased demand for surgical power tools, which, in turn, contribute to the market growth. Moreover, increase in healthcare expenditure and rise in adoption of surgical power tools in hospitals and surgical centers further boost the market growth.However, factors that hinder the market growth include high cost of surgical power tools, and regular maintenance cost of surgical power tools.

On the other hand, increase in R&D activities for development of novel surgical power tools, advancement in power tools such as robotics and navigation support and increased demand for medical devices in the developed countries such as U.S., Canada and growth potential in emerging markets are expected to create immense opportunities for surgical power tools during the forecast period.

The surgical power tools market is segmented on the basis of product, technology, application, end user and region. On the basis of product, the market is classified into surgical drill, surgical saw, reamer, power source and accessories. On the basis of technology, the market is divided into electric operated, battery operated and pneumatic operated. By application the market is categorized into orthopedic surgery, cardiothoracic surgery, spine and neurosurgery and others. The others segment includes traumatology surgery, oral/maxillofacial, ENT surgery, plastic surgery. On the basis of end user, the market is fragmented into hospitals, clinics, ambulatory surgical centers, and others. The others segment includes trauma center, orthopedic center, and R&D centers.Region wise, the market is analyzed across North America (U.S., Canada, and Mexico), Europe (Germany, UK, France, Spain, Italy, and rest of Europe), Asia-Pacific (India, China, Australia, Japan, South Korea, and rest of Asia-Pacific), and LAMEA (Brazil, Saudi Arabia, South Africa, and rest of LAMEA).

Major key players that operate in the global surgical power tools market include Arthrex, Inc., B Braun Melsungen AG, CONMED Corporation, GPC Medical Ltd., Johnson & Johnson, Medtronic plc, Portescap Inc., Sharma Orthopedic, Stryker Corporation, and Zimmer Biomet Holding Inc.

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the surgical power tools market analysis from 2021 to 2031 to identify the prevailing surgical power tools market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the surgical power tools market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global surgical power tools market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Technology

- Electric operated
- Battery operated
- Pneumatic operated

By Product

- Surgical drill
- Surgical saw
- Reamer
- Power source
- Accessories

By Application

- Orthopedic Surgery
- Cardiothoracic Surgery
- Spine and Neuro Surgery
- Others

By End User

- Hospitals
- Clinics
- Ambulatory Surgical Centers
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
- Japan
- China
- India
- Australia
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Johnson & Johnson
- CONMED Corporation
- Sharma Orthopedic
- B. Braun SE
- GPC Medical Ltd.
- Stryker Corporation
- Medtronic plc
- Zimmer Biomet Holding Inc.
- Arthrex, Inc.
- Altra Industrial Motion Corp.

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