

United States Electrosurgery Devices Market By Method (Monopolar v/s Bipolar), By Type (Electrosurgery Generators, Electrosurgery Instruments & Accessories, Patient Return Electrodes), By Application (General Surgery, Gynecology Surgery, Orthopedic Surgery, Cardiovascular Surgery, Others), By End User (Hospitals & Clinics, Ambulatory Surgical Centers, Others), By Region, Competition Forecast & Opportunities, 2027

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Abstracts

United States electrosurgery devices market is anticipated to register growth with an impressive CAGR in the forecast period, 2023-2027, on the account of surging demands for minimally invasive surgeries. The advancing technologies of medical devices & surgical equipment are further expected to drive the growth of the United States electrosurgery devices market in the upcoming five years. Moreover, increasing instances of carcinogenic disease and the growing prevalence of surgical therapies to remove tumorous cells further support the growth of the United States electrosurgery devices market in the next five years.

Electrosurgery is the application of electricity to cause thermal destruction of the tissue through dehydration, coagulation, or vaporization. High-frequency alternating polarity is utilized to cause cell lyses. The medical devices utilized to incise tissue, destroy tissue through desiccation, and control bleeding (hemostasis) by causing the coagulation of blood is termed electrosurgery devices. Commonly, there are two types of

electrosurgeries, high-frequency electrosurgery, and electrocautery.

Technological Advancement Promises Market Growth

Increasing instances of complexities of diseases and surgical ventures enforce the demands for technologically advanced medical devices and surgical equipment. Growing demands have prevailed for the research institutes as well as the active market players in the country to focus their resources on the development of innovative, technologically advanced, and efficient products. Olympus Corporations launched the most advanced version of the THUNDERBEAT hybrid. The POWERSEAL 5mm Curved Jaw Tissue Sealer and Divider, Double-Action device is an advanced bipolar surgical energy device. The surgical devices proceed with the features of previous versions of THUNDERBEAT hybrid energy devices and SONICBEAT ultrasonic dissectors.

Moreover, growing market players like BioFuse Medical Technologies, Melbourne, are focusing their finances on advancing the technologies like RF tissue sealing and welding technology. They are highly inclined toward replacing the traditional methods of sutures, staples, etc.

Growing Disease Burden & Surgical Ventures Drive Market Growth

Instances of chronic diseases like cardiovascular diseases, cancer, neurological diseases, etc. are rapidly growing in the States. The country records new cases every year. In the year 2019, coronary heart diseases were the most common type of disease that killed 360,900 in the country. About 659,000 people in the United States die from heart disease each year—that's 1 in every 4 deaths. Increasing instances of patients functioning with the help of pacemakers need better medical devices. Monopolar electrosurgical devices are beneficial in cases of patients with pacemakers. The total number of heart transplants in the country in 2020 was 3,658.

Also, in 2020 1,806,590 new cases of cancer were recorded in the country. Moreover, breast cancer is one of the most prevailed cancer types mostly among the female population that undergoes surgical removal called mastectomy. More than 100,000 U.S. women undergo some form of mastectomy each year in the country. The procedure is often considered if the female has a family history of breast cancer or if they are diagnosed with the initial stages of breast cancer.

Market Segmentation

The United States electrosurgery devices market is segmented by method, type, application, end-user, competition landscape, and regional distribution. Based on the method, the market is differentiated between monopolar and bipolar. By type, the market is further segmented into electrosurgery generators, electrosurgery instruments & accessories, and patient return electrodes. Based on application, the market is fragmented into general surgery, gynecology surgery, orthopedic surgery, cardiovascular surgery, and others. By end user, the market is bifurcated into hospitals & clinics, ambulatory surgical centers, and others. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among the South region, Mid-West region, North-East region, and West region.

Company Profile

Medtronic USA, Inc., Boston Scientific Corporation, Stryker Corporation, B. Braun Medical, Inc., Olympus Corporation of the Americas, Conmed Corporation, Johnson & Johnson, Bovie Medical Corporation, AtriCure, LLC, ATMOS Inc., among others is a partial list of major market players of the companies responsible for the growth of United States electrosurgery devices market.

Report Scope:

In this report, United States electrosurgery devices market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

United States Electrosurgery Devices Market, By Method:

Monopolar

Bipolar

United States Electrosurgery Devices Market, By Type:

Electrosurgery Generators

Electrosurgery Instruments & Accessories

Patient Return Electrodes

United States Electrosurgery Devices Market, By Application:

General Surgery

Gynecology Surgery

Orthopedic Surgery

Cardiovascular Surgery

Others

United States Electrosurgery Devices Market, By End User:

Hospitals & Clinics

Ambulatory Surgical Centers

Others

United States Electrosurgery Devices Market, By Region:

South Region

Mid-West Region

North-East Region

West Region

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in United States electrosurgery devices market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a

United States Electrosurgery Devices Market By Method (Monopolar v/s Bipolar), By Type (Electrosurgery Generat...

company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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