

Electrosurgery Devices Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global electrosurgery devices market reached a value of US\$ 5.70 Billion in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 8.1 Billion by 2027, exhibiting a CAGR of 5.85% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Electrosurgery devices rely on alternating high-frequency electrical current to cut and cauterize the tissue with minimal blood loss. They include electrosurgical pencils, forceps, scissors, electrodes, laparoscopic tools, coagulation and irrigation devices, tissue sealers, and dividers. They also comprise smoke dispersion units required in the production of smoke inherent to electrosurgery. These units may be self-contained or attached to electrosurgical instruments to remove smoke and fluids as a surgeon operates. Nowadays, electrosurgery devices find extensive applications in performing different surgical procedures across the globe due to their clinical- and cost-effectiveness.

Electrosurgery Devices Market Trends:

At present, electrosurgery is widely being adopted in all areas of medical practice as it offers flexibility and enables the usage of minimally invasive surgical solutions, which would have previously required more intensive procedures. This represents one of the key factors creating a positive outlook for the market. Moreover, rising technological advancements and various modifications of designs have been introduced, which are extensively utilized in various surgical fields to reduce potential complications. For instance, specialized electrosurgical tools, including generators and instruments, are

designed with unique capabilities to provide compatibility with robotic sealing devices and platforms in robotic-assisted surgery. Such devices are commonly used in robotic cholecystectomy and inguinal hernia repair to offer greater rotation than the human wrist for fine dissection in restricted spaces and precise planes. Besides this, conventional monopolar and bipolar devices can cause thermal damage, which has resulted in the development of a pulsed bipolar system, which provides better surgical outcomes, including less complications, operation time, and blood loss. This, coupled with the increasing application of electrosurgery in gynecological procedures, such as laparoscopy, hysteroscopy, and loop procedures, is driving the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global electrosurgery devices market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, application and end user.

Breakup by Product:

- Electrosurgery Generators
- Electrosurgery Instruments and Accessories
- Bipolar Instruments
- Monopolar Instruments
- Accessories
- Argon and Smoke Management Systems

Breakup by Application:

- General Surgery
- Gynecology Surgery
- Urologic Surgery
- Orthopedic Surgery
- Cardiovascular Surgery
- Cosmetic Surgery
- Neurosurgery
- Others

Breakup by End User:

- Hospitals

Specialty Clinics
Ambulatory Surgical Centers

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Applied Medical Resources Corporation, Apyx Medical Corporation, B. Braun Melsungen AG, Boston Scientific Corporation, BOWA-electronic GmbH & Co. KG, CONMED Corporation, Erbe Elektromedizin GmbH, Johnson & Johnson, Medtronic plc, Olympus Corporation, Smith & Nephew plc and Stryker Corporation.

Key Questions Answered in This Report:

How has the global electrosurgery devices market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global electrosurgery devices market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global electrosurgery devices market and who are the key players?

What is the degree of competition in the industry?

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