

United Kingdom Surgical Robots Market, By Vehicle Type (Two-Wheeler, Passenger Car, LCV, MCV, HCV), By Propulsion (ICE, Electric), By Transmission (Manual, Automatic), By Region, Competition Forecast & Opportunities, 2027

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Abstracts

United Kingdom surgical robots market is expected to register robust growth in the forecast period, 2023-2027. Surgical robots represent computer-controlled machines that are widely utilized for performing minimally invasive (MI) and laparoscopic surgeries. These robots comprise a magnifying high-definition 3-D camera fitted at the tip of the robotic arm that offers an accurate representation of the body parts. They replicate the hand movements of the surgeons and can perform complex procedures utilizing miniaturized surgical instruments that can fit through small incisions. In comparison to traditional surgeries, these robots provide quicker recovery time, minimal post-operative discomfort, and minimized risks of infection and scars. Surgical robots allow surgeons to carry out complex surgical procedures with greater precision. They are widely utilized in gynecological, urological, orthopedic, general, neurosurgery, and other minimally invasive surgeries. The growing advantages of robotic-assisted surgery, continuous technological advancements in surgical robots, the expanding adoption of surgical robots, and the extensive funding for medical robot research are some of the significant factors driving the growth of the market.

Increasing Benefits of Robotic-Assisted Surgery Propels the Market Growth

The escalating demand for minimally invasive surgeries (MIS) owing to the advantages associated with these procedures, including smaller incisions, fewer cuts, decreased scarring, minimized pain, enhanced safety, quicker recovery periods, and considerable cost savings. Robotic minimally invasive surgery adds to these benefits by ensuring

greater accuracy, repeatability, control, and efficiency. Robotic surgery offers highly advanced visualization capabilities that assist surgeons with a superior view of the operating area, utilizing HD cameras to demonstrate microscopic structures. These systems offer greater dexterity than the human hand as they can rotate 360 degrees and superior maneuverability, robots can enable surgeons to reach hard-to-access areas. These benefits of surgical robots and the escalating demand for enhanced and faster healthcare services are supporting the growth of the surgical robot market in the predicted years.

Growing Penetration of Surgical Robots in Ambulatory Surgery Centres (ASCs) Drives the Market Growth

Ambulatory surgery centers (ASCs) are freestanding facilities that further specialize in surgical, diagnostic, and preventive procedures that do not require hospital admission. The cost-effectiveness of ASCs offers significant savings for governments, third-party payers, and patients. As per the study conducted by Healthcare BlueBook (a provider of data for healthcare services) and HealthSmart (a provider of health plans for self-funded employers), it is stated that ASCs reduced the cost of outpatient surgery as these facilities provide a lower-cost site of care in comparison with the hospital outpatient departments. Medicare and its beneficiaries save each year as they pay significantly less for procedures performed in ASCs than the rates paid to hospitals for the same procedures. When patient care is in ASCs, patient co-payments are also significantly lower. On account of these advantages, there is a significant rise in the number of surgical procedures performed in ASCs and outpatient settings. The shift from performing complex surgical procedures in hospital settings to performing them in outpatient settings further supports the market growth. The increasing number of ASCs offering robotic-assisted specialized surgeries provides an enormous opportunity for the leading market players in the surgical robots sector which aids the growth of the market.

Market Segmentation

The United Kingdom surgical robots market is segmented into components, mechanism of control, application, end user, regional distribution, and competitive landscape. Based on components, the market is divided into systems, instruments & accessories, and services. Based on the mechanism of control, the market is bifurcated into computer control and direct tele manipulator. Based on application, the market is segmented into urologic surgery, orthopedic surgery, general surgery, gynecology, and others. Based on end users, the market is divided into hospitals & clinics, and ambulatory surgical centers. The United Kingdom surgical robots market is studied in major regions namely

London, Southeast, East Anglia, Scotland, Southwest, East Midlands, Yorkshire & Humberside, Rest of the United Kingdom.

Market Players

Stryker (UK) Limited, Intuitive Surgical Limited, CMR Surgical Limited, Medtronic United Kingdom, Smith & Nephew Plc., Zimmer Biomet UK Ltd, and Renishaw Plc. are the key market players operating in United Kingdom Surgical robot market.

Report Scope:

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

United Kingdom Surgical Robots Market, By Component:

Systems

Instruments & Accessories

Services

United Kingdom Surgical Robots Market, By Mechanism of Control:

Computer Control

Direct Telemanipulator

United Kingdom Surgical Robots Market, By Application:

Urologic Surgery

Orthopedic Surgery

General Surgery

Gynecology

Others

United Kingdom Surgical Robots Market, By End User:

Hospitals & Clinics

Ambulatory Surgical Centers

United Kingdom Surgical Robots, By Region:

London

Southeast

East Anglia

Scotland

Southwest

East Midlands

Yorkshire & Humberside

Rest of United Kingdom

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in United Kingdom Surgical robots market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

United Kingdom Surgical Robots Market, By Vehicle Type (Two-Wheeler, Passenger Car, LCV, MCV, HCV), By Propuls...

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

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