

**Asia Pacific Surgical Robots Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Component (Instruments & Accessories, Robotic Systems, and Services), Application (Urological Surgery, Orthopedic Surgery, General Surgery, Gynecological Surgery, Cardiothoracic Surgery, Neurosurgery, and Others), and End User (Hospitals, Ambulatory Surgical Centers, and Others)**

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**AVAILABLE LICENSES:**

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- Site Price \$4000.00
- Enterprise Price \$5000.00

**Report description:**

The surgical robots market in Asia Pacific is expected to grow from US\$ 1,587.74 million in 2022 to US\$ 3,823.79 million by 2028; it is estimated to grow at a CAGR of 15.8% from 2022 to 2028.

ising Number of Surgical Procedures Fuels Growth of Asia Pacific Surgical Robots Market

In the last 25 years, the incidence of cardiovascular diseases has increased in Asia Pacific. The rise in diabetic cases and lifestyle changes are leading to an increase in the number of cardiovascular surgeries and general surgeries. Colorectal cancer is one of the most found and lethal cancers developed in individuals due to the combined influence of genetic and environmental factors. The lifetime risk of developing colorectal cancer is about 1 in 23 for men and 1 in 25 for women. Further, ~9,555,027 cancer deaths were recorded in 2018, of which 880,792 were related to colorectal cancer. Therefore, colorectal cancer was identified as the third most common cancer and the second highest death-causing cancer. Therefore, the increasing number of colorectal cancer incidences is surging the demand for surgical robots. According to the data published by the Obesity and Metabolic Surgery Society of India in 2020, the number of bariatric surgeries increased by ~86.7% in India during 2014-2018. The growing number of surgical procedures creates a need for robotic surgery instruments. According to the 2021 National Health Statistics Reports from the Centers for Disease Control, the incidence of obesity has reached 41.9% among adults and 19.7% among children and adolescents aged 2-19 years. Therefore, the relationship between obesity and the development of various well-known comorbidities, including cardiovascular diseases, diabetes, liver disease, chronic kidney disease, osteoarthritis, and

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cancer, makes obesity one of the top causes of mortality. Moreover, intense lifestyle modification and pharmacotherapy usually fail to achieve long-term sustained weight loss and remission of obesity-related comorbidities (10% weight loss at 1 year and 5.3% at 8 years). However, CDC states that bariatric surgery has been demonstrated to be effective at achieving long-term weight loss up to 77% of excess weight loss (~77% of excess weight at 1 year and over ~50% during 10-20 years), remission of obesity-related comorbidities, and reducing the incidence of major cardiovascular conditions. Thus, surgical robots have been designed to exceed the limitations of conventional laparoscopy. The laparoscopic procedure involves a two-dimensional view displayed on a monitor, whereas robotic surgery offers a close three-dimensional vision portrayed in the commodity of a console, which gives the surgeon a feeling of operating from inside the cavity. Da Vinci Xi manufactured by Intuitive Surgical provides an active camera, multi-quadrant access, improved precision of motion, filtered tremor, and instruments with endo wrist movements and seven degrees of freedom, powerfully enhancing the dexterity of the surgeon. Therefore, the utilization of robotic platforms for primary and bariatric surgery is rising. Moreover, the growing prevalence of chronic conditions and the rising number of surgical procedures generate the demand for surgical robots. The surging number of road accidents in various countries increases the number of orthopedic procedures and treatments, which, in turn, is fueling the growth of the surgical robots market in the region.

Market Overview

The Asia Pacific surgical robots market is segmented into China, Japan, India, South Korea, Australia, and the Rest of Asia Pacific. The market in Asia Pacific is expected to grow at the fastest pace in the coming years due to the increasing prevalence of chronic diseases, rising geriatric population, new product development, and the growing presence of international players in the region. According to West China Hospital, increasing awareness about robotics technology and its clinical applications propel the demand for surgical robots. Also, the increasing government initiatives to purchase surgical robots system is driving the market growth.

Asia Pacific Surgical Robots Market Revenue and Forecast to 2028 (US\$ Million)

Asia Pacific Surgical Robots Market Segmentation

The Asia Pacific surgical robots market is segmented on the basis of component, application, end user, and country. Based on component, the Asia Pacific surgical robots market is segmented into instruments & accessories, robotic systems, and services. The instruments & accessories segment held the largest market share in 2022. Based on application, the Asia Pacific surgical robots market is segmented into urological surgery, orthopedic surgery, general surgery, gynecological surgery, cardiothoracic surgery, neurosurgery, and others. The urological surgery segment held the largest market share in 2022. Based on end user, the Asia Pacific surgical robots market is categorized into hospitals, ambulatory surgical centers, and others. The hospitals segment held the largest market share in 2022. Based on country, the Asia Pacific surgical robots market is segmented into China, India, Japan, South Korea, Australia, and the rest of Asia Pacific. China dominated the market share in 2022. Intuitive Surgical; Smith+Nephew; Johnson & Johnson Services, Inc.; Stryker; THINK Surgical; Zimmer Biomet; Medtronic; Siemens Healthineers AG; Asensus Surgical, Inc.; and Renishaw plc are the leading companies operating in the Asia Pacific surgical robots market.

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