

Orthopedic Surgical Robots Market Demonstrates Long-Term Growth Potential At 10.8% CAGR

*The Business Research Company's
Orthopedic Surgical Robots Market
Demonstrates Long-Term Growth
Potential At 10.8% CAGR*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 21, 2026

/EINPresswire.com/ -- "The [orthopedic
surgical robots market](#) is witnessing

significant expansion as advancements in medical technology continue to transform surgical procedures. With increasing demand for precision and improved patient outcomes in orthopedic care, this sector is poised for substantial growth over the coming years. Let's explore the market size, growth drivers, key players, and geographic trends shaping the future of orthopedic surgical robots.



Expected to grow to \$2.13 billion in 2030 at a compound annual growth rate (CAGR) of 10.8%"

*The Business Research
Company*

Steady Expansion in [Orthopedic Surgical Robots Market Size](#) Between 2025 and 2030

The market for orthopedic surgical robots has experienced rapid growth recently. It is projected to rise from \$1.26 billion in 2025 to \$1.41 billion in 2026, exhibiting a compound annual growth rate (CAGR) of 12.0%. This growth during the historical period can be linked to several

factors, including a rise in orthopedic implant surgeries, an increasing preference among surgeons for precision-guided robotic systems, the growth of robotic surgery training programs, higher investments by hospitals in surgical robotics, and the availability of advanced navigation technologies.

Download a free sample of the [orthopedic surgical robots market report](#):

https://www.thebusinessresearchcompany.com/sample.aspx?id=15884&type=smp&utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Looking ahead, the orthopedic surgical robots market is expected to expand further, reaching

The Business
Research Company

The Business Research Company



\$2.13 billion by 2030, with a CAGR of 10.8%. This forecasted surge is driven by the growing demand for personalized orthopedic procedures and the rising adoption of outpatient robotic surgeries. Additionally, the market benefits from the expansion of software-driven surgical ecosystems, a greater focus on reducing surgical revision rates, and the increasing integration of robotics with advanced imaging technologies. Emerging trends anticipated to shape this growth include the wider use of robot-assisted joint replacements, real-time surgical navigation systems, AI-powered surgical planning tools, the proliferation of minimally invasive robotic orthopedic procedures, and an enhanced emphasis on surgical accuracy and repeatability.

Understanding Orthopedic Surgical Robots and Their Role in Surgery

Orthopedic surgical robots are specialized robotic systems designed to support surgeons during orthopedic operations by improving precision, control, and accuracy. These systems typically feature a robotic arm equipped with surgical instruments, an advanced navigation system that provides real-time feedback, and sophisticated imaging technology to assist in surgical planning and execution. The integration of these components allows for more precise interventions, which can lead to better patient outcomes and reduced complications.

View the full orthopedic surgical robots market report:

https://www.thebusinessresearchcompany.com/report/orthopedic-surgical-robots-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

The Rising Prevalence of Bone Degenerative Diseases as a Key Market Driver

One of the primary factors propelling the orthopedic surgical robots market is the increasing incidence of bone degenerative diseases. These conditions progressively deteriorate bone tissue, causing weakened bones, pain, and a higher likelihood of fractures. The rise in bone degenerative disorders is linked to an aging global population, sedentary lifestyles, poor nutrition, and the growing prevalence of chronic illnesses such as obesity and diabetes. Surgical robots are particularly valuable in treating these diseases due to their ability to enhance precision during operations, thereby improving surgical outcomes and patient recovery.

Supporting this trend, data from August 2023 provided by the Institute for Health Metrics and Evaluation (IHME), a US-based research institution, forecasts that nearly 1 billion people worldwide will suffer from osteoarthritis by 2050. Specifically, knee osteoarthritis cases are expected to increase by 75%, while hand osteoarthritis is projected to rise by 50%. This significant growth in bone degenerative conditions underscores the expanding need for robotic assistance in orthopedic surgeries.

Market Leaders and Geographic Trends in Orthopedic Surgical Robots

In 2025, North America held the largest share of the orthopedic surgical robots market, maintaining its leadership position due to advanced healthcare infrastructure and high adoption rates of cutting-edge technologies. Meanwhile, the Asia-Pacific region is anticipated to be the fastest-growing market throughout the forecast period. This growth is driven by increasing healthcare expenditures, rising awareness of robotic surgery benefits, and expanding medical

infrastructure across countries in this region. The market study also covers other important regions, including South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa, providing a comprehensive global perspective on market dynamics.

Key enhancements in our 2026 market reports include:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

- LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/935934199>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.