

Orthopedic Pedicle Screws Market Size, Trends, Analysis, and Outlook By Product (Monoaxial and polyaxial orthopedic pedicle screws, Cannulated orthopedic pedicle screws), By End-User (Hospitals, Ambulatory surgical centers, Specialty clinics), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/O448ADE79226EN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: O448ADE79226EN

Abstracts

The global Orthopedic Pedicle Screws market size is poised to register 7.74% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Orthopedic Pedicle Screws market By Product (Monoaxial and polyaxial orthopedic pedicle screws, Cannulated orthopedic pedicle screws), By End-User (Hospitals, Ambulatory surgical centers, Specialty clinics).

The future of orthopedic pedicle screws is propelled by advancements in implant design, material science, and surgical techniques aimed at enhancing biomechanical stability, fusion rates, and clinical outcomes in spinal surgery. Key trends include the development of polyaxial, expandable, and fenestrated pedicle screw designs that offer improved screw placement accuracy, cortical bone purchase, and load distribution in complex spinal deformity correction, vertebral fusion, and spinal instrumentation procedures. Additionally, there is a growing emphasis on biocompatible implant materials, surface coatings, and antimicrobial treatments that promote osseointegration, reduce the risk of implant-related complications, and enhance long-term implant performance in patients with spinal disorders and degenerative conditions. Moreover, advancements in navigated surgery, robotic-assisted instrumentation, and intraoperative imaging guidance enhance the precision, safety, and reproducibility of pedicle screw placement, minimizing the risk of neurological injury, adjacent segment

degeneration, and revision surgery in spinal fusion procedures, driving continuous innovation and adoption of orthopedic pedicle screw technologies in spine surgery centers, academic medical centers, and orthopedic implant manufacturing facilities worldwide..

Orthopedic Pedicle Screws Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Orthopedic Pedicle Screws market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Orthopedic Pedicle Screws survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Orthopedic Pedicle Screws industry.

Key market trends defining the global Orthopedic Pedicle Screws demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Orthopedic Pedicle Screws Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Orthopedic Pedicle Screws industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Orthopedic Pedicle Screws companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Orthopedic Pedicle Screws industry

Leading Orthopedic Pedicle Screws companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and

surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Orthopedic Pedicle Screws companies.

Orthopedic Pedicle Screws Market Study- Strategic Analysis Review

The Orthopedic Pedicle Screws market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Orthopedic Pedicle Screws Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Orthopedic Pedicle Screws industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Orthopedic Pedicle Screws Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Orthopedic Pedicle Screws Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Orthopedic Pedicle Screws market segments. Similarly, Strong end-user demand is encouraging Canadian Orthopedic Pedicle Screws companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Orthopedic Pedicle Screws market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Orthopedic Pedicle Screws Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Orthopedic Pedicle Screws industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Orthopedic Pedicle Screws market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Orthopedic Pedicle Screws Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Orthopedic Pedicle Screws in Asia Pacific. In particular, China, India, and South East Asian Orthopedic Pedicle Screws markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data

analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Orthopedic Pedicle Screws Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Orthopedic Pedicle Screws Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Orthopedic Pedicle Screws market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Orthopedic Pedicle Screws.

Orthopedic Pedicle Screws Market Company Profiles

The global Orthopedic Pedicle Screws market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are B.Braun SE, Captiva Spine Inc, CarboFix Orthopedics Ltd, Dieter Marquardt Medizintechnik GmbH, Evolution Spine, Genesys Orthopedic Systems LLC, Globus Medical Inc, Johnson and Johnson, Medacta International SA, Medtronic Plc, Mirus LLC, Orthofix Medical Inc, OrthoPediatrics Corp, Safe Orthopaedics SA, Spinal Elements Inc, Spineart SA, SpineGuard SA, Stryker Corp, Zimmer Biomet Holdings Inc.

Recent Orthopedic Pedicle Screws Market Developments

The global Orthopedic Pedicle Screws market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Orthopedic Pedicle Screws Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

B.Braun SE

Captiva Spine Inc

CarboFix Orthopedics Ltd

Dieter Marquardt Medizintechnik GmbH

Evolution Spine

Genesys Orthopedic Systems LLC

Globus Medical Inc

Johnson and Johnson

Medacta International SA

Medtronic Plc

Mirus LLC

Orthofix Medical Inc

OrthoPediatics Corp

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Formats Available: Excel, PDF, and PPT

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Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

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Maternity Centers

Ambulatory Care Centers

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 - Evolution Spine
 - Genesys Orthopedic Systems LLC
 - Globus Medical Inc
 - Johnson and Johnson

Medacta International SA
Medtronic Plc
Mirus LLC
Orthofix Medical Inc
OrthoPediatics Corp
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