

# PEEK Surgical Screws Market Size, Share & Trends Analysis Report By Product (Cortical Screws, Cancellous Screws), By Application (Spinal Fixation, Joint Reconstruction), By End-use, By Region, And Segment Forecasts, 2025 - 2030

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## Abstracts

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### PEEK Surgical Screws Market Growth & Trends

The global PEEK surgical screws market size is expected to reach USD 712.39 million by 2030, registering a CAGR of 6.8% from 2025 to 2030, according to a new report by Grand View Research, Inc. The growing cases of anterior cruciate ligament injuries (ACL) are driving market growth. For instance, according to an article published by the American Orthopedic Society for Sports Medicine, tears of the ACL are a common orthopedic pathology, with an annual incidence of roughly 70 per 100,000 person-years in the U.S. The growing geriatric population susceptible to various orthopedic conditions and the increase in R&D activities for surgical screws development are factors expected to drive the market growth in the forecast period.

Moreover, the growing demand for minimally invasive procedures drives the demand for PEEK surgical screws; advancements in minimally invasive techniques have made orthopedic procedures more feasible, further driving market growth. In addition, several studies conducted reported that the PEEK interference screw is the most popular device that fixes the graft for anterior cruciate ligament reconstruction. For instance, according to a clinical trial study published by Frontiers Media S.A. in November 2022, patients with ACL injuries who underwent repair using a PEEK interference screw or the

EndoButton, developed by Smith & Nephew, showed significant improvements in clinical outcomes following arthroscopic surgery.

Furthermore, increasing technological advancements, such as advanced biomaterials with better biocompatibility and durability, have improved the quality of PEEK surgical screws. In addition, the rising demand for biocompatible materials, the growing aging population, the rising prevalence of bone-related disorders and bone fractures, and increasing healthcare awareness and access worldwide are significant factors accelerating market growth. For instance, according to Healthy Bones Australia, Australia experienced over 193,000 fractures in 2023, and it is projected that by 2033, Australians aged 50 and over sustain a fracture every 30 seconds.

Some of the key players in the market are Orthofix Medical Inc., Medtronic, Invivo Ltd., Anika Therapeutics, Inc., Arthrex, Inc., Medacta International, Zimmer Biomet, Matrix Meditec, MicroPort Scientific Corporation, and icotec ag. Key players are implementing strategic initiatives such as geographical expansion, collaborations, partnerships, and joint ventures to strengthen their market presence.

### PEEK Surgical Screws Market Report Highlights

Based on product, the cortical screws segment dominated the market in 2024, owing to the growing adoption of minimally invasive surgeries and a rise in cases of bone injuries.

Based on application, the spinal fixation segment dominated the market in 2024. The rising prevalence of spinal disorders, fractures & injuries and the growing demand for advanced medical technology drive the market growth.

Based on end use, the outpatient facilities segment dominated the market in 2024. This is attributable to the rising adoption of ambulatory care and being a convenient and easily accessible option for patients who require minor orthopedic procedures.

North America dominated the global market in 2024 due to the presence of a large number of major market players, government initiatives to accelerate research activities in the orthopedic sector, and increased FDA approvals.

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