

Global Absorbable Cranial Fixation Screw Market Growth 2026-2032

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Abstracts

The global Absorbable Cranial Fixation Screw market size is predicted to grow from US\$ 69.85 million in 2025 to US\$ 109 million in 2032; it is expected to grow at a CAGR of 6.7% from 2026 to 2032.

In 2025, global Absorbable Cranial Fixation Screw production reached approximately 288 k units, with an average global market price of around US\$248 per unit. An absorbable cranial fixation screw (or resorbable system) is a medical device used in neurosurgery to securely reattach a cranial bone flap to the rest of the skull after a craniotomy. Unlike traditional titanium metal plates, these screws dissolve over time, eliminating the need for a second surgery to remove them.

The market development of absorbable cranial fixation screw is deeply tied to the popularity and technological advancement of global neurosurgical medical services. Clinical demand for avoiding secondary removal surgery, reducing interference with postoperative imaging examinations and lowering the risk of long-term implantation-related complications drives the substitution of absorbable products for traditional metal fixation screws. Global demand mainly comes from various craniotomy, skull defect repair and traumatic brain injury treatment scenarios. The rising incidence of neurosurgical diseases caused by population aging and the gradual improvement of global traumatic brain injury treatment systems form the core foundation for long-term market growth.

Technological evolution focuses on material performance optimization and clinical adaptability improvement. The mainstream bioabsorbable material system continues to iterate. Industry R&D activities focus on enhancing the matching degree between products' initial mechanical strength and human bone healing cycle, optimizing the

biosafety of degradation products, and improving operational convenience in minimally invasive surgical procedures. Core competitive barriers lie in proprietary material modification technologies, precision molding processes, long-term clinical follow-up data accumulation and access qualifications from national medical device regulatory authorities.

The competitive landscape is highly concentrated. European and American enterprises dominate the global market with first-mover technological advantages, comprehensive global clinical certification systems and mature sales channel networks. Chinese enterprises have gradually realized domestic substitution relying on rapid local market growth and industrial chain supporting advantages, and entered some emerging markets through international certifications. North America and Europe are the main consumption regions, while the Asia-Pacific region becomes the fastest-growing market benefiting from continuous medical expenditure growth and improved medical infrastructure.

The market faces challenges including relatively high product prices, long regulatory approval cycles and the need for performance improvement in extreme mechanical scenarios. Meanwhile, the improvement of medical service capabilities in emerging markets and government policy support for high-end medical device industries bring new growth opportunities for industry participants.

LP Information, Inc. (LPI) ' newest research report, the "Absorbable Cranial Fixation Screw Industry Forecast" looks at past sales and reviews total world Absorbable Cranial Fixation Screw sales in 2025, providing a comprehensive analysis by region and market sector of projected Absorbable Cranial Fixation Screw sales for 2026 through 2032. With Absorbable Cranial Fixation Screw sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Absorbable Cranial Fixation Screw industry.

This Insight Report provides a comprehensive analysis of the global Absorbable Cranial Fixation Screw landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Absorbable Cranial Fixation Screw portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Absorbable Cranial Fixation Screw market.

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Absorbable Cranial Fixation Screw and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Absorbable Cranial Fixation Screw.

This report presents a comprehensive overview, market shares, and growth opportunities of Absorbable Cranial Fixation Screw market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

PLGA

PDLLA

PLLA

Segmentation by Diameter:

Diameter

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