

Global Absorbable Cranial Fixation Screw Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Absorbable Cranial Fixation Screw market size was valued at US\$ 73.47 million in 2025 and is forecast to a readjusted size of US\$ 113 million by 2032 with a CAGR of 6.3% during review period.

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.

This report is a detailed and comprehensive analysis for global Absorbable Cranial Fixation Screw market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Absorbable Cranial Fixation Screw market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Absorbable Cranial Fixation Screw market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling

prices (US\$/Unit), 2021-2032

Global Absorbable Cranial Fixation Screw market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Absorbable Cranial Fixation Screw market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Absorbable Cranial Fixation Screw

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Absorbable Cranial Fixation Screw market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Aesculap (B. Braun), DePuy Synthes (Johnson & Johnson), Chengdu MedArt Medical, Nanjing Polymer Medical Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Absorbable Cranial Fixation Screw market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PLGA

PDLLA

PLLA

Market segment by Diameter

Diameter

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