

Polyether Ether Ketone (PEEK) Interbody Devices Market to Reach US \$2.56 Billion by 2029

*The Business Research Company's
Polyether Ether Ketone (PEEK) Interbody
Devices Global Market Report 2025 –
Market Size, Trends, And Global Forecast
2025-2034*

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Polyether Ether Ketone (PEEK) Interbody Devices
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What Is The Estimated Industry Size Of [Polyether Ether Ketone \(PEEK\) Interbody Devices Market?](#)

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The market size for polyether ether ketone (PEEK) interbody devices has seen steady growth in the recent past. The market, which was valued at \$1.79 billion in 2024, is expected to increase to \$1.92 billion in 2025, reflecting a compound annual growth rate (CAGR) of 7.6%. The significant growth during the historic period is due to its broader acceptance in non-medical sectors, growth in medical tourism, surge in demand for MRI-compatible implants, positive clinical outcomes, and an increase in chronic back pain instances.

The market size for polyether ether ketone (PEEK) interbody devices is anticipated to experience substantial growth in the approaching years, ballooning to \$2.56 billion by 2029 with a compound annual growth rate (CAGR) of 7.3%. This growth during the forecast period can be accredited to an increase in spinal disorders, escalation in vehicle production, enlargement of the automotive industry, increased healthcare spending, and the augmenting usage of hybrid material devices. Foremost trends within the forecast period encompass technological

progresses, enhancements in medical technology, the uptake of advanced spinal implants, the innovative capacities of PEEK technology, and evolving surgical methods.

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What Are The Factors Driving The Polyether Ether Ketone (PEEK) Interbody Devices Market?

The rise in spinal disorders is anticipated to fuel the expansion of the PEEK interbody devices market. Spinal disorders are medical issues impacting the spine - encompassing bones, discs, nerves, and muscles. Such disorders are becoming prevalent due to inactive lifestyles, where extended periods of sitting and less physical exercise leads to the weakening of spinal support muscles and added strain on the spine. PEEK interbody devices assist in treating these disorders, providing robust yet flexible support between the vertebrae. This helps to promote spinal stability, foster natural bone growth, and preserve imaging clarity during subsequent scans. For example, Spinal Cord Inc., a US-based organization serving individuals and families affected by spinal cord injuries, reported around 18,000 fresh instances of spinal cord injuries in the United States in May 2023, with an estimated 302,000 people living with SCI throughout the country. Thus, the rising occurrence of spinal disorders is driving the expansion of the PEEK interbody devices market.

Who Are The Leading Companies In The Polyether Ether Ketone (PEEK) Interbody Devices Market?

Major players in the Polyether Ether Ketone (PEEK) Interbody Devices Global Market Report 2025 include:

- Medtronic Inc.
- Stryker Corporation
- Zimmer Biomet Holdings Inc.
- Globus Medical Inc.
- NuVasive Inc.
- Orthofix Medical Inc.
- Exactech Inc.
- Xtant Medical Holdings Inc.
- Alphatec Spine Inc.
- Spinal Elements Inc.

What Are The Prominent Trends In The Polyether Ether Ketone (PEEK) Interbody Devices Market?

Key players in the PEEK interbody devices industry are concentrating their efforts on introducing novel products, such as porous cervical IBF system, to speed up osseointegration, bolster implant stability, and hasten patient recovery times. The porous cervical IBF, or interbody fusion system pertains to a surgical implant utilized in spinal surgeries, particularly cervical spine fusion operations. It is crafted to supplant damaged or degenerated cervical intervertebral discs and foster bone proliferation between adjoining vertebrae, thereby securing the spine. For example,

Innovasis, an American medical device organization, in August 2022, got 510(k) authorization from the US Food and Drug Administration for its product HA cancellous PEEK-C, marking the debut of the first-ever hydroxyapatite (HA) porous PEEK interbody fusion device crafted for cervical spine operations. This equipment caters to single-level anterior cervical discectomy and fusion (ACDF) procedures between C2 and T1 in adult patients diagnosed with degenerative disc disease. It comprises a porous structure coupled with hydroxyapatite (HA), fostering bone development and speeding up fusion. The launch aims at boosting spinal fusion outcomes through better bone synthesis and more rapid fusion.

What Are The Primary Segments Covered In The Global Polyether Ether Ketone (PEEK) Interbody Devices Market Report?

The polyether ether ketone (peek) interbody devices market covered in this report is segmented –

- 1) By Product Type: Posterolateral Fusion Devices, Interbody Fusion Devices, Anterior Lumbar Interbody Fusion Devices (Alif), Extreme Lateral Interbody Fusion Devices (Xlif), Posterior Lumbar Interbody Fusion Devices (Plif), Transforaminal Lumbar Interbody Fusion Devices (Tlif), Other Devices
- 2) By Application: Spinal Fusion Surgery, Degenerative Disc Disease, Spinal Trauma, Spinal Deformity
- 3) By Distribution Channel: Direct Sales, Online Sales, Third-Party Distributors
- 4) By End-User: Hospitals And Clinics, Ambulatory Surgery Clinics, Other End-Users

Subsegments:

- 1) By Posterolateral Fusion Devices: Single-Level Devices, Multi-Level Devices, Expandable Devices
- 2) By Interbody Fusion Devices: Cervical Fusion Devices, Lumbar Fusion Devices, Hybrid Devices
- 3) By Anterior Lumbar Interbody Fusion Devices (ALIF): Flat-Profile Devices, Curved-Profile Devices, Cage-Style Devices
- 4) By Extreme Lateral Interbody Fusion Devices (XLIF): Plated Devices, Cage-Style Devices, Oblique Devices
- 5) By Posterior Lumbar Interbody Fusion Devices (PLIF): Lordotic Devices, Flat-Cage Devices, Mesh Or Porous Devices
- 6) By Transforaminal Lumbar Interbody Fusion Devices (TLIF): Hollow Devices, Expandable Cages, Radiolucent Devices
- 7) By Other Devices: Miniature Interbody Fusion Devices, Biocomposite Devices, Modular Devices

View the full polyether ether ketone (peek) interbody devices market report:

<https://www.thebusinessresearchcompany.com/report/polyether-ether-ketone-peek-interbody-devices-global-market-report>

Which Region Is Forecasted To Grow The Fastest In The [Polyether Ether Ketone \(PEEK\) Interbody Devices Industry?](#)

In 2024, the North American region dominated the global market for Polyether Ether Ketone (PEEK) Interbody Devices. The market growth is projected to be the most rapid in the Asia-Pacific region during the forecast period. The Global Market Report 2025 covers several regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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