Medical Composites Market Outlook: Rising Demand from Diagnostic Imaging and Implants

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Medical Composite Market Rising Demand

WILMINGTON, DE, UNITED STATES, July 3, 2026 /EINPresswire.com/ -- The global [medical composites market](https://www.alliedmarketresearch.com/) is experiencing strong growth, driven primarily by increasing use in diagnostic imaging applications and rising demand for composite-based body implants. Medical composites are valued for their high strength-to-weight ratio, radiolucency, and compatibility with advanced imaging systems, making them especially useful in equipment such as PET/CT scanners and imaging tables.

Market size and growth outlook:

According to Allied Market Research, the global medical composites market was valued at approximately $0.9 billion in 2020 and is projected to reach $2.1 billion by 2030, expanding at a CAGR of 9.0% (2021–2030). Growth is supported by expanding healthcare infrastructure, technological advancements, and increasing adoption of lightweight, durable materials in medical applications.

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https://www.alliedmarketresearch.com/request-sample/A14376

Key growth drivers and restraints:

- A major growth driver is the rising utilization of composites in diagnostic imaging systems, where material performance directly impacts imaging accuracy and patient comfort. Additionally, demand from composite-based implants and dental applications is creating new opportunities for market expansion.

- However, high production and processing costs remain a key challenge, limiting wider adoption, particularly in cost-sensitive healthcare systems. Despite this, increasing demand from dental clinics and outpatient care facilities is expected to open new revenue streams.

Market segmentation insights:

- By application: Diagnostic imaging dominated the market in 2020, accounting for more than one-third of total share, and is expected to grow at the fastest rate over the forecast period.

- By fiber type: Carbon fiber composites held the largest share (around four-fifths of the market) and are also expected to maintain the fastest growth due to their superior mechanical properties.

- By region: North America and Europe collectively held a significant share of the market in 2020, while Asia-Pacific is projected to register the fastest growth through 2030, driven by expanding healthcare investment and industrial development.

Competitive landscape:-

The market is moderately consolidated, with key players focusing on partnerships, expansions, and product innovation to strengthen their positions. Major companies include:

- Composiflex Inc.
- Dentsply Sirona
- IDI Composites International
- Zeus Industrial Products, Inc.
- Kulzer GmbH
- Royal DSM N.V.
- SGL Carbon SE
- 3M
- CeramTec GmbH
- Toray Industries, Inc.

These firms are actively investing in R&D, strategic collaborations, and capacity expansion to capitalize on growing demand across medical imaging, implants, and dental applications.

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https://www.alliedmarketresearch.com/medical-composite-market/purchase-options

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David Correa
Allied Market Research
+ 1 800-792-5285
email us here
Visit us on social media:
LinkedIn
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YouTube
X
