

Photopolymers Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Performance (Low, Mid, High), By Technology (SLA, DLP, cDLP), By Application (Dental, Medical, Audiology, Jewellery, Automotive, Others), By Region and Competition, 2020-2030F

Market Report | 2025-06-30 | 185 pages | TechSci Research

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Report description:

Market Overview

The Global Photopolymers Market was valued at USD 1856.32 million in 2024 and is projected to reach USD 2617.00 million by 2030, growing at a CAGR of 6.09% during the forecast period. This market is witnessing robust growth, driven by the increasing implementation of high-speed printing technologies and advancements in 3D printing for durable, intricate components. Photopolymers offer superior design precision and surface finish, qualities that are becoming increasingly critical across various end-use industries. As industries such as healthcare, automotive, and consumer goods demand materials with high aesthetic value and performance, the role of photopolymers in modern manufacturing continues to expand. Their adaptability in stereolithography (SLA), digital light processing (DLP), and continuous digital light processing (cDLP) technologies further reinforces their widespread utility.

Key Market Drivers

Surging Demand for Photopolymers in the Dental Sector

The dental industry is a key contributor to the rising demand for photopolymers, driven by the material's versatility, precision, and aesthetic compatibility. As of 2025, the global oral care market is projected to generate USD 54.79 billion, with the United States accounting for approximately USD 10 billion. Photopolymers have become essential in restorative dentistry for applications such as cavity fillings, cosmetic reshaping, and repairing chipped teeth. Their ability to closely match the natural color of teeth ensures visually appealing results. In both clinical and dental lab environments, light-cured resins are increasingly preferred due to their rapid curing times, durability, and biocompatibility. These attributes are contributing to the widespread adoption of photopolymer-based composites in modern dental care.

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Key Market Trends

Advancements in Material Science

Innovations in material science are continuously enhancing the properties and application range of photopolymers. Custom formulations are being developed to cater to the distinct needs of sectors like healthcare, aerospace, and automotive. In healthcare, the emphasis is on biocompatibility and performance, particularly in applications like 3D-printed medical devices and vascular scaffolds. For example, photocurable bioresins infused with graphene are being explored for vascular stents that support drug delivery and controlled biodegradation. Similarly, lightweight, high-strength photopolymer composites are gaining traction in aerospace prototyping and tooling. These scientific advancements are not only expanding the functional scope of photopolymers but also improving sustainability and therapeutic performance across industries.

Key Market Players

- Henkel AG & Co. KGaA
- Arkema S.A.
- Evonik Industries AG
- BASF SE
- ANYCUBIC Technology Co., Ltd.
- Keystone Industries
- Stratasys Ltd.
- Liqcreate
- Photocentric Ltd., U.K.
- Carbon, Inc.

Report Scope:

In this report, the Global Photopolymers Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Photopolymers Market, By Performance:

- o Low
- o Mid
- o High

- Photopolymers Market, By Technology:

- o SLA
- o DLP
- o cDLP

- Photopolymers Market, By Application:

- o Dental
- o Medical
- o Audiology
- o Jewellery
- o Automotive
- o Others

- Photopolymers Market, By Region:

- o Asia Pacific
 - China
 - India
 - Australia
 - Japan
 - South Korea
- o Europe
 - France

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- Brazil
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- Colombia
- o Middle East & Africa
- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Photopolymers Market.

Available Customizations:

Global Photopolymers Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

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