

# **LED Curing Adhesives Market Outlook 2025-2034: Market Share, and Growth Analysis By Product Type(Epoxy, Silicone, Polyurethane),By Application, By End User, By Technology**

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## **Abstracts**

The global LED Curing Adhesives Market size is valued at USD 1188 million in 2024 and is projected to reach USD 2067.3 million by 2032, registering a compound annual growth rate (CAGR) of 7.17% over the forecast period.

The LED curing adhesives market is experiencing strong growth driven by rising demand in electronics, automotive, medical, and industrial assembly sectors due to advantages such as rapid curing, low energy consumption, and precise bonding performance. The shift towards miniaturization in electronics, increasing EV production, and advancements in medical devices are fueling the adoption of LED-curable adhesives for structural bonding, encapsulation, and coating applications. Compared to traditional UV systems, LED curing offers benefits including lower heat generation, environmental friendliness with no ozone emissions, and compatibility with heat-sensitive substrates. However, challenges such as high initial equipment costs, limited penetration in price-sensitive markets, and the need for specialized formulations for different substrates and optical properties remain. Companies are focusing on developing low-VOC, biocompatible, multi-wavelength adhesives, expanding production capacities, and forming strategic partnerships to strengthen their regional presence. Regulatory push for eco-friendly technologies and energy-efficient manufacturing is supporting market expansion, while continuous innovation remains key to meeting evolving customer requirements in high-precision applications.

Manufacturers are investing in R&D to develop LED-curing adhesives with superior optical clarity, thermal resistance, and biocompatibility to cater to electronics

miniaturization, EV batteries, and advanced medical devices assembly.

Growing environmental and regulatory focus on reducing VOC emissions and energy consumption is driving the adoption of LED curing systems over traditional UV systems, encouraging companies to expand their green adhesive portfolios.

High upfront costs of LED curing equipment and the requirement for skilled operators are limiting adoption among small and medium-scale manufacturers, especially in developing regions with limited technical expertise.

Leading companies are expanding production facilities, launching advanced adhesive formulations, and entering strategic partnerships to strengthen their global supply chain, cater to localized demand, and enhance competitive advantage.

Recent developments include the introduction of hybrid light-curable adhesives with enhanced bond strength and flexibility for automotive and electronics, along with biocompatible medical adhesives aligned with global healthcare safety standards.

Governments are promoting energy-efficient manufacturing and sustainable adhesives through supportive policies, incentivizing industrial adoption while simultaneously enforcing stringent standards for emissions, worker safety, and product certifications.

## LED Curing Adhesives Market Size Data, Trends, Growth Opportunities, and Restraining Factors

This comprehensive LED Curing Adhesives market report delivers updated market size estimates from 2024 to 2034, offering in-depth analysis of the latest LED Curing Adhesives market trends, short-term and long-term growth drivers, competitive landscape, and new business opportunities. The report presents growth forecasts across key LED Curing Adhesives types, applications, and major segments, alongside detailed insights into the current LED Curing Adhesives market scenario to support companies in formulating effective market strategies.

The LED Curing Adhesives market outlook thoroughly examines the impact of ongoing supply chain disruptions and geopolitical issues worldwide. Factors such as trade tariffs, regulatory restrictions, production losses, and the emergence of alternatives or substitutes are carefully considered in the LED Curing Adhesives market size projections. Additionally, the analysis highlights the effects of inflation and correlates past economic downturns with current LED Curing Adhesives market trends, providing

actionable intelligence for stakeholders to navigate the evolving LED Curing Adhesives business environment with precision.

LED Curing Adhesives Market Competition, Intelligence, Key Players, winning strategies to 2034

The 2025 LED Curing Adhesives Market Research Report identifies winning strategies for companies to register increased sales and improve market share.

Opinions from senior executives from leading companies in the LED Curing Adhesives market are imbibed thoroughly and the LED Curing Adhesives industry expert predictions on the economic downturn, technological advancements in the LED Curing Adhesives market, and customized strategies specific to a product and geography are mentioned.

The LED Curing Adhesives market report is a source of comprehensive data and analysis of the industry, helping businesses to make informed decisions and stay ahead of the competition. The LED Curing Adhesives market study assists investors in analyzing On LED Curing Adhesives business prospects by region, key countries, and top companies' information to channel their investments.

The report provides insights into consumer behavior and preferences, including their buying patterns, brand loyalty, and factors influencing their purchasing decisions. It also includes an analysis of the regulatory environment and its impact on the LED Curing Adhesives industry. Shifting consumer demand despite declining GDP and burgeoning interest rates to control surging inflation is well detailed.

### **What's Included in the Report**

Global LED Curing Adhesives market size and growth projections, 2024- 2034

North America LED Curing Adhesives market size and growth forecasts, 2024-2034 (United States, Canada, Mexico)

Europe market size and growth forecasts, 2024- 2034 (Germany, France, United Kingdom, Italy, Spain)

Asia-Pacific LED Curing Adhesives market size and growth forecasts, 2024-2034 (China, India, Japan, South Korea, Australia)

Middle East Africa LED Curing Adhesives market size and growth estimate, 2024- 2034 (Middle East, Africa)

South and Central America LED Curing Adhesives market size and growth outlook, 2024- 2034 (Brazil, Argentina, Chile)

LED Curing Adhesives market size, share and CAGR of key products, applications, and other verticals, 2024- 2034

Short- and long-term LED Curing Adhesives market trends, drivers, challenges, and opportunities

LED Curing Adhesives market insights, Porter's Five Forces analysis

Profiles of 5 leading companies in the industry- overview, key strategies, financials, product portfolio and SWOT analysis

Latest market news and developments

### **Key Questions Answered in This Report :**

What is the current LED Curing Adhesives market size at global, regional, and country levels?

What is the market penetration of different types, Applications, processes/technologies, and distribution/sales channels of the LED Curing Adhesives market?

What will be the impact of economic slowdown/recission on LED Curing Adhesives demand/sales?

How has the global LED Curing Adhesives market evolved in past years and what will be the future trajectory?

What is the impact of growing inflation, Russia-Ukraine war on the LED Curing Adhesives market forecast?

What are the Supply chain challenges for LED Curing Adhesives?

What are the potential regional LED Curing Adhesives markets to invest in?

What is the product evolution and high-performing products to focus in the LED Curing Adhesives market?

What are the key driving factors and opportunities in the industry?

Who are the key players in LED Curing Adhesives market and what is the degree of competition/LED Curing Adhesives market share?

What is the market structure /LED Curing Adhesives Market competitive Intelligence?

### **Available Customizations**

The standard syndicate report is designed to serve the common interests of LED Curing Adhesives Market players across the value chain, and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

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Segmentation of choice – Our clients can seek customization to modify/add a market division for types/applications/end-uses/processes of their choice.

LED Curing Adhesives Pricing and Margins Across the Supply Chain, LED Curing Adhesives Price Analysis / International Trade Data / Import-Export Analysis,

Supply Chain Analysis, Supply–Demand Gap Analysis, PESTLE Analysis, Macro-Economic Analysis, and other LED Curing Adhesives market analytics

Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

Further, the client can seek customization to break down geographies as per their requirements for specific countries/country groups such as South East Asia, Central Asia, Emerging and Developing Asia, Western Europe, Eastern Europe, Benelux, Emerging and Developing Europe, Nordic countries, North Africa, Sub-Saharan Africa, Caribbean, The Middle East and North Africa (MENA), Gulf Cooperation Council (GCC) or any other.

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## LED Curing Adhesives Market Segmentation

### By Product

Epoxy

Silicone

Polyurethane

### By Application

Automotive

Electronics

Medical

Building and Construction

### By End User

Manufacturers

Distributors

Retailers

### By Technology

Traditional UV

LED UV

### By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, India, Japan, Australia, Vietnam, Rest of APAC)

The Middle East and Africa (Middle East, Africa)

South and Central America (Brazil, Argentina, Rest of SCA)

### Key Market Players

Dymax Corporation

Henkel AG & Co. KGaA

3M Company

DELO Industrial Adhesives

Panacol-Elosol GmbH

Permabond LLC

Master Bond Inc.

Excelitas Technologies Corp.

H.B. Fuller Company

Toagosei Co., Ltd.

Honle UV America Inc.

EpoxySet Inc.

Intertronics Ltd.

Resin Designs LLC

Techsil Ltd.

## Contents

### 1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

### 2. LED CURING ADHESIVES MARKET LATEST TRENDS, DRIVERS AND CHALLENGES, 2024- 2034

- 2.1 LED Curing Adhesives Market Overview
- 2.2 Market Strategies of Leading LED Curing Adhesives Companies
- 2.3 LED Curing Adhesives Market Insights, 2024- 2034
  - 2.3.1 Leading LED Curing Adhesives Types, 2024- 2034
  - 2.3.2 Leading LED Curing Adhesives End-User industries, 2024- 2034
  - 2.3.3 Fast-Growing countries for LED Curing Adhesives sales, 2024- 2034
- 2.4 LED Curing Adhesives Market Drivers and Restraints
  - 2.4.1 LED Curing Adhesives Demand Drivers to 2034
  - 2.4.2 LED Curing Adhesives Challenges to 2034
- 2.5 LED Curing Adhesives Market- Five Forces Analysis
  - 2.5.1 LED Curing Adhesives Industry Attractiveness Index, 2024
  - 2.5.2 Threat of New Entrants
  - 2.5.3 Bargaining Power of Suppliers
  - 2.5.4 Bargaining Power of Buyers
  - 2.5.5 Intensity of Competitive Rivalry
  - 2.5.6 Threat of Substitutes

### 3. GLOBAL LED CURING ADHESIVES MARKET VALUE, MARKET SHARE, AND FORECAST TO 2034

- 3.1 Global LED Curing Adhesives Market Overview, 2024
- 3.2 Global LED Curing Adhesives Market Revenue and Forecast, 2024- 2034 (US\$ Million)
- 3.3 Global LED Curing Adhesives Market Size and Share Outlook By Product, 2024- 2034
- 3.4 Global LED Curing Adhesives Market Size and Share Outlook By Application, 2024- 2034
- 3.5 Global LED Curing Adhesives Market Size and Share Outlook By End User, 2024- 2034

3.6 Global LED Curing Adhesives Market Size and Share Outlook By Technology, 2024- 2034

3.7 Global LED Curing Adhesives Market Size and Share Outlook by Region, 2024- 2034

#### **4. ASIA PACIFIC LED CURING ADHESIVES MARKET VALUE, MARKET SHARE AND FORECAST TO 2034**

4.1 Asia Pacific LED Curing Adhesives Market Overview, 2024

4.2 Asia Pacific LED Curing Adhesives Market Revenue and Forecast, 2024- 2034 (US\$ Million)

4.3 Asia Pacific LED Curing Adhesives Market Size and Share Outlook By Product, 2024- 2034

4.4 Asia Pacific LED Curing Adhesives Market Size and Share Outlook By Application, 2024- 2034

4.5 Asia Pacific LED Curing Adhesives Market Size and Share Outlook By End User, 2024- 2034

4.6 Asia Pacific LED Curing Adhesives Market Size and Share Outlook By Technology, 2024- 2034

4.7 Asia Pacific LED Curing Adhesives Market Size and Share Outlook by Country, 2024- 2034

#### **5. EUROPE LED CURING ADHESIVES MARKET VALUE, MARKET SHARE, AND FORECAST TO 2034**

5.1 Europe LED Curing Adhesives Market Overview, 2024

5.2 Europe LED Curing Adhesives Market Revenue and Forecast, 2024- 2034 (US\$ Million)

5.3 Europe LED Curing Adhesives Market Size and Share Outlook By Product, 2024- 2034

5.4 Europe LED Curing Adhesives Market Size and Share Outlook By Application, 2024- 2034

5.5 Europe LED Curing Adhesives Market Size and Share Outlook By End User, 2024- 2034

5.6 Europe LED Curing Adhesives Market Size and Share Outlook By Technology, 2024- 2034

5.7 Europe LED Curing Adhesives Market Size and Share Outlook by Country, 2024- 2034

## **6. NORTH AMERICA LED CURING ADHESIVES MARKET VALUE, MARKET SHARE AND FORECAST TO 2034**

6.1 North America LED Curing Adhesives Market Overview, 2024

6.2 North America LED Curing Adhesives Market Revenue and Forecast, 2024- 2034 (US\$ Million)

6.3 North America LED Curing Adhesives Market Size and Share Outlook By Product, 2024- 2034

6.4 North America LED Curing Adhesives Market Size and Share Outlook By Application, 2024- 2034

6.5 North America LED Curing Adhesives Market Size and Share Outlook By End User, 2024- 2034

6.6 North America LED Curing Adhesives Market Size and Share Outlook By Technology, 2024- 2034

6.7 North America LED Curing Adhesives Market Size and Share Outlook by Country, 2024- 2034

## **7. SOUTH AND CENTRAL AMERICA LED CURING ADHESIVES MARKET VALUE, MARKET SHARE AND FORECAST TO 2034**

7.1 South and Central America LED Curing Adhesives Market Overview, 2024

7.2 South and Central America LED Curing Adhesives Market Revenue and Forecast, 2024- 2034 (US\$ Million)

7.3 South and Central America LED Curing Adhesives Market Size and Share Outlook By Product, 2024- 2034

7.4 South and Central America LED Curing Adhesives Market Size and Share Outlook By Application, 2024- 2034

7.5 South and Central America LED Curing Adhesives Market Size and Share Outlook By End User, 2024- 2034

7.6 South and Central America LED Curing Adhesives Market Size and Share Outlook By Technology, 2024- 2034

7.7 South and Central America LED Curing Adhesives Market Size and Share Outlook by Country, 2024- 2034

## **8. MIDDLE EAST AFRICA LED CURING ADHESIVES MARKET VALUE, MARKET SHARE AND FORECAST TO 2034**

8.1 Middle East Africa LED Curing Adhesives Market Overview, 2024

8.2 Middle East and Africa LED Curing Adhesives Market Revenue and Forecast, 2024-

2034 (US\$ Million)

8.3 Middle East Africa LED Curing Adhesives Market Size and Share Outlook By Product, 2024- 2034

8.4 Middle East Africa LED Curing Adhesives Market Size and Share Outlook By Application, 2024- 2034

8.5 Middle East Africa LED Curing Adhesives Market Size and Share Outlook By End User, 2024- 2034

8.6 Middle East Africa LED Curing Adhesives Market Size and Share Outlook By Technology, 2024- 2034

8.7 Middle East Africa LED Curing Adhesives Market Size and Share Outlook by Country, 2024- 2034

## **9. LED CURING ADHESIVES MARKET STRUCTURE**

9.1 Key Players

9.2 LED Curing Adhesives Companies - Key Strategies and Financial Analysis

9.2.1 Snapshot

9.2.3 Business Description

9.2.4 Products and Services

9.2.5 Financial Analysis

## **10. LED CURING ADHESIVES INDUSTRY RECENT DEVELOPMENTS**

## **11 APPENDIX**

11.1 Publisher Expertise

11.2 Research Methodology

11.3 Annual Subscription Plans

11.4 Contact Information

## I would like to order

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