

UV Curing System Market with Covid-19 Impact Analysis by Technology (UV LED, Mercury Lamp), Type (Spot Cure, Flood and Focused Beam, Conveyor), Pressure Type (High, Medium, Low), Application, Vertical and Geography - Global Forecast to 2026

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Abstracts

The UV curing system market is projected to reach USD 8.6 billion by 2026 from USD 3.6 billion in 2021; it is expected to grow at a CAGR of 18.6% from 2021 to 2026. The growth of the UV curing system market in North America is mainly driven by large-scale funded programs by the government. Moreover, the high adoption rate and technological advancements also drive the growth of the UV curing system market in North America. The North American region is the largest market as the region is home to major players in the market such as Dymax (US), Phoseon (US), and Baldwin Technology (US). Stringent regulatory framework by agencies such as EPA (Environment Protection Agency) and the American Industrial Hygiene Association (AIHA) is playing a key role in the monitoring and commercialization of UV curing technology. The large share enjoyed by the region is due to the vast presence of various large—scale automotive and medical machinery manufacturers. The outbreak of the novel coronavirus is expected to affect the UV curing system market, but steady recovery is expected by 2022. The expansion of the market is due to the rising demand from the semiconductor & electronics industry as well as from the medical sector. Developing countries in APAC have a vast growth potential as well as a favorable environment for product manufacturers. Therefore, the UV curing system market in APAC is expected to grow at the highest rate during the forecast period.

The UV LED technology segment, is expected to have the highest growth during the

forecast period

UV LED technology is expected to dominate the UV curing system market during the forecast period due to the increase in demand for energy-efficient LEDs and enhanced user experience. UV LEDs have a longer life span than mercury lamps and are environmentally friendly. Apart from these, UV LEDs do not use mercury, which harms health and causes life-threatening diseases. North America is expected to be the largest market for UV LED during the forecast period. This is due to its features such as instantaneous switching on and off, fast and uniform drying and curing, low heat emission, and low power consumption. North America adapts and changes quickly with the latest technologies and needs. The increased demand for UV LED is due to the increase in awareness of green energy and its minimal power consumption.

The bonding & assembling application segment, of the UV curing system market is projected to hold a larger share during the forecast period

The bonding & assembling segment accounted for the largest share of the UV curing system market in 2020, whereas the printing segment is expected to grow at the highest CAGR during the forecast period. UV LED is used for printing purposes. Benefits of using UV LED in printing are faster drying, eco-friendly, material versatility, color enhancement, and high-quality finishing. UV curing uses light instead of heat when drying. It takes only a couple of seconds to harden adhesives, inks, or coatings that have been used. This is much better than the traditional and outdated printing methods as the older technology made coatings shrink by more than half, so they weren't too kind to the environment either. The UV LED segment is expected to grow at a higher CAGR during the forecast period. This high growth can be attributed to increased awareness of energy consumption and green energy. UV LED uses 50-70% less energy than mercury lamps.

The UV curing system market in APAC is projected to have the highest CARG during the forecast period (2021-2026)

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The UV curing system market in APAC comprises China, Japan, South Korea, India, and the Rest of APAC, which primarily includes Australia, Taiwan, Thailand, Indonesia, Singapore, Malaysia, the Philippines, and New Zealand. It is expected to be the fastest-growing market for UV curing system during the forecast period. China is expected to

be the largest market for UV curing systems and is also expected to witness the highest CAGR during the forecast period. The use of UV-curable adhesives in the packaging sector is growing at a tremendous rate in the country, owing to their advantages over the usage of conventional adhesive systems used. The demand from industries, like consumer goods, food and beverage, and others for packing materials is increasing in China, owing to the increasing exports, as well as domestic consumption. China accounted for the largest share of 40% of the UV curing system market in APAC in 2020 due to the increased manufacturing activities and exports of UV curing systems from the country. Countries such as China, Japan, India, and South Korea are major contributors to the growth of the UV curing system market in APAC. China and Japan are considered early adopters of UV technology in the electronics manufacturing industry. The growth prospective of the UV curing system market in APAC is promising with a steady growth rate in the near future. The COVID-19 pandemic has affected the market in APAC. However, a steady recovery in 2021 is expected, with significant chances of market expansion. The growing demand and implementation of policies that include emission control and eco-friendly products have led to innovations and developments in the UV curing industry.

Breakdown of profiles of primary participants:

By Company Type: Tier 1 = 30%, Tier 2 = 50%, and Tier 3 = 20%

By Designation: C-level Executives = 25%, Directors = 35%, and Others = 40%

By Region: North America = 35%, Europe = 30%, APAC = 25%, and RoW = 10%

The major companies in the UV curing system market are Baldwin Technology (US), Dymax (US), Nordson (US), Excelitas Technologies (US), Heraeus (Germany), Phoseon Technology (US), H?nle (Germany), DELO (Germany), IST Metz (Germany), American Ultraviolet (US), Hanovia (US), Omron Corporation (Japan), Uvitron (US), Atlantic Zeiser (Germany), Benford UV (US), Miltec UV (US), Thorlabs (US), UVEXS Incorporated (US), GEW (EC) Limited (UK), APL Machinery Pvt. Ltd. (India), Kyocera Corporation (Japan), Senlian (China), Panasonic (Japan), DoctorUV (US), Shenzhen Naimeite (China), and Jenton International (UK).

Research Coverage:

This report segments the UV Curing System Market with Covid-19 Impact Analysis by Technology (UV LED, Mercury Lamp), Type (Spot Cure, Flood and Focused Beam, Conveyor), Pressure Type (High, Medium, Low), Application, Vertical and Geography-Global Forecast to 2026

Reasons to Buy the Report:

This report includes statistics pertaining to the UV curing system market based on technology, type, pressure type, application, vertical, and region.

Major drivers, restraints, opportunities, and challenges for the UV curing system market have been provided in detail in this report

The report includes illustrative segmentation, analysis, and forecast for the UV curing system market based on its segments.

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*Details on Business Overview, Products/solutions/services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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About

According to the new market research report "UV Curing System Market by Technology (Mercury Lamp, and UV LED), Type (Spot Cure, Flood Cure, and Focused Beam), Pressure (High, Medium, and Low), Application, End-User Industry, and Geography - Global Forecast to 2023", the UV curing system market was valued at USD 3.28 Billion in 2018 and is expected to reach USD 5.45 Billion by 2023, at a CAGR of 10.66% between 2018 and 2023. The UV curing system market has huge potential in end-user industries such as medical, consumer electronics, automotive and transportation, and industrial and machinery. Major factors driving the UV curing system market are environmental awareness and stringent regulation; and quick curing and better performance compared to traditional curing systems.

The UV curing ecosystem comprises companies such as

Dymax (US)

Nordson (US)

Baldwin Technology (US)

Heraeus (Germany)

Phoseon (US)

Honle (Germany)

Panasonic Corporation of North America (US)

Delo (Germany)

IST METZ (US)

American Ultraviolet (US)

Omron (Japan)

Excelitas (US)

Uvitron (US)

Atlantic Zeiser (Germany)

Benford UV (Shire county)

GEW (EC) (England)

Hanovia (UK)

Miltec UV (US)

Thorlabs (US)

Hoya (Japan)

Mercury lamp held largest share of UV curing system market in 2017

Mercury-based UV lamps have been extensively adopted for industrial and printing applications, owing to the technology advancement and reduction in manufacturing time compared to traditional curing method. Furthermore, increasing government efforts, especially in the US and European countries, to implement environment-friendly curing technologies are encouraging industries to adopt UV curing systems.

UV curing system market for bonding and assembling application held the largest share of the UV curing system market in 2017

UV curing systems in bonding and assembling application is used to bond or stick materials such as glass, plastic, and metals in industries such as semiconductor and consumer electronics. The demand for UV curing systems for bonding and assembling is increasing because of its fast, flexible, and environment-friendly curing method. The growing demand for semiconductor devices and the increasing sales of mobile and consumer electronic devices are expected to fuel the demand for UV curing systems in

bonding and assembling application

Medical industry held larger share in the UV curing system market between 2018 and 2023

Medical device manufacturers across the globe are using UV curing technologies in their manufacturing process owing to its benefits such as reduction in friction between medical electronic devices, uniform adhesion and surface coverage, and coating homogeneity. These characteristics make UV curing system an ideal solution for the medical industry.

Currently, North America leads the UV curing system market in terms of market share

North America is the largest market for UV curing technologies owing to the presence of key UV curing system manufacturers such as Dymax, Phoeseon, and Baldwin Technology. Stringent regulatory framework by agencies such as Environment Protection Agency (EPA) and American Industrial Hygiene Association (AIHA) is playing a key role in the monitoring and commercialization of UV curing technology.

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Product name: UV Curing System Market with Covid-19 Impact Analysis by Technology (UV LED, Mercury Lamp), Type (Spot Cure, Flood and Focused Beam, Conveyor), Pressure Type (High, Medium, Low), Application, Vertical and Geography - Global Forecast to 2026

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