

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.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 DEFINITION

1.2.1 INCLUSIONS & EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

FIGURE 1 UV CURING SYSTEM MARKET SEGMENTATION

1.3.2 GEOGRAPHIC ANALYSIS

1.3.3 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

1.5 LIMITATIONS

1.6 STAKEHOLDERS

1.7 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 UV CURING SYSTEM MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.1.2 Key secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 UV Curing System Market: Key players in primary processes across value chain

2.1.2.3 Breakdown of primary interviews

2.1.3 SECONDARY AND PRIMARY RESEARCH

2.2 MARKET SIZE ESTIMATION

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1, SUPPLY-SIDE

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2, SUPPLY-SIDE

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 3, DEMAND-SIDE

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Approach for capturing market size by bottom-up analysis

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH**2.2.2 TOP-DOWN APPROACH****2.2.2.1 Approach for capturing market size by top-down analysis****FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH****2.3 MARKET SHARE ESTIMATION****2.4 MARKET BREAKDOWN AND DATA TRIANGULATION****FIGURE 8 DATA TRIANGULATION****2.5 RISK ASSESSMENT****TABLE 1 RISK FACTOR ANALYSIS****2.6 RESEARCH ASSUMPTIONS AND LIMITATIONS****2.6.1 ASSUMPTIONS****2.6.2 LIMITATIONS****3 EXECUTIVE SUMMARY****FIGURE 9 SCENARIO-BASED IMPACT OF COVID-19 ON UV CURING SYSTEM MARKET****TABLE 2 IMPACT OF COVID-19 ON UV CURING SYSTEM MARKET, 2017–2026 (USD BILLION)****3.1 SCENARIO ANALYSIS****3.1.1 REALISTIC SCENARIO (POST-COVID-19)****3.1.2 PESSIMISTIC SCENARIO (POST-COVID-19)****3.1.3 OPTIMISTIC SCENARIO (POST-COVID-19)****FIGURE 10 UV LEDS SEGMENT TO REGISTER LARGER MARKET SHARE, 2021-2026****FIGURE 11 LIFE SCIENCE & MEDICAL SEGMENT TO HOLD LARGEST MARKET SHARE, 2021-2026****FIGURE 12 LOW PRESSURE SEGMENT TO REGISTER HIGHEST CAGR, 2021-2026****FIGURE 13 COATING & FINISHING SEGMENT TO LEAD UV CURING SYSTEM MARKET FROM 2021 TO 2026****FIGURE 14 ASIA PACIFIC TO REGISTER HIGHEST CAGR, 2021-2026****4 PREMIUM INSIGHTS****4.1 GROWTH OPPORTUNITIES IN UV CURING SYSTEM MARKET****FIGURE 15 INCREASE IN CONSUMER ELECTRONICS TO SUPPORT MARKET GROWTH****4.2 UV CURING SYSTEM MARKET BY TYPE**

FIGURE 16 SPOT CURE SEGMENT TO HAVE LARGEST MARKET SHARE, 2021-2026

4.3 UV CURING SYSTEM MARKET IN ASIA PACIFIC, BY TECHNOLOGY AND COUNTRY

FIGURE 17 MERCURY LAMP TECHNOLOGY AND CHINA TO ACCOUNT FOR LARGEST SHARE IN ASIA PACIFIC BY 2026

4.4 UV CURING SYSTEM MARKET, BY COUNTRY

FIGURE 18 CHINA TO RECORD HIGHEST CAGR, 2021 TO 2026

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 19 UV CURING SYSTEM MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Growing inclination toward eco-friendly products and stringent regulations regarding the use of green products

5.2.1.2 Benefits of UV curing systems than traditional curing systems

5.2.1.3 Rising demand for UV LEDs across industries due to COVID-19

FIGURE 20 UV CURING SYSTEM MARKET DRIVERS: IMPACT ANALYSIS

5.2.2 RESTRAINTS

5.2.2.1 Limited depth of curing

5.2.2.2 Lack of awareness and high cost of UV coatings

FIGURE 21 UV CURING SYSTEM MARKET RESTRAINTS: IMPACT ANALYSIS

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing applications of UV curing system

5.2.3.2 Preference for UV technologies for print labeling and packaging due to COVID-19

FIGURE 22 UV CURING SYSTEM MARKET OPPORTUNITIES: IMPACT ANALYSIS

5.2.4 CHALLENGES

5.2.4.1 Risks related to hazardous effects of mercury present in UV mercury lamps

5.2.4.2 Slowdown in production of manufacturing industries due to COVID-19

5.2.4.3 Cracking defects on UV curable coating products

FIGURE 23 UV CURING SYSTEM MARKET CHALLENGES: IMPACT ANALYSIS

5.3 VALUE CHAIN ANALYSIS

FIGURE 24 VALUE CHAIN ANALYSIS: UV CURING SYSTEM MARKET

5.4 REVENUE SHIFT AND NEW REVENUE POCKETS FOR UV CURING SYSTEM

MARKET PLAYERS

FIGURE 25 REVENUE SHIFT IN THE UV CURING SYSTEM MARKET

5.5 MARKET MAP/MARKET ECOSYSTEM

TABLE 3 UV CURING SYSTEM MARKET: ECOSYSTEM

FIGURE 26 KEY PLAYERS IN UV CURING SYSTEM MARKET

5.6 KEY TECHNOLOGY TRENDS

5.6.1 UV LED TECHNOLOGY IN UV CURING

5.7 TECHNOLOGY ANALYSIS

5.7.1 STEREOSCOPIC VISION AND TIME OF FLIGHT (TOF) TECHNOLOGY

TABLE 4 COMPARISON OF MERCURY LAMP AND UV LED TECHNOLOGY

5.8 PRICE TREND ANALYSIS

FIGURE 27 AVERAGE SELLING PRICE (ASP) TREND FOR UV CURING SPOT CURE LAMP AND UV CURING FLOOD CURE LAMP

5.9 CASE STUDY ANALYSIS

5.9.1 UV CURING SYSTEM FOR NASAL SWABS

TABLE 5 DYMAX UVCS LIGHT-CURING CONVEYOR SYSTEMS HELPED TO INCREASE

THE PRODUCTION OF NASAL SWABS

5.9.2 UV CURING SYSTEM FOR CAMERA MODULES

TABLE 6 CASE STUDY ON USING ULTRAVIOLET CURE TO SECURE A CAMERA MODULE HOLDER TO A PCB

5.9.3 UV CURING SYSTEM FOR INDUSTRY

TABLE 7 IMPROVING WPG'S KOMORI LS829P WITH UV CURING

5.9.4 UV CURING SYSTEM FOR POLYJET

TABLE 8 IMPROVING PRINTING CYCLES AND ACCURACY WITH UV CURING SYSTEM

5.10 PATENT ANALYSIS

TABLE 9 UV CURING SYSTEM BY HENKEL AG AND CO KGAA

TABLE 10 UV CURING TYPE INK JET PRINTING INK COMPOSITION

TABLE 11 UV CURING SYSTEM BY HENKEL AG AND CO KGAA

5.10.1 DOCUMENT TYPE

TABLE 12 PATENTS FILED

FIGURE 28 PATENTS: APPLICATIONS VS. GRANTED, 2011-2020

5.10.2 PUBLICATION TREND

FIGURE 29 PATENTS FILED FROM 2011 TO 2020

5.10.3 JURISDICTION ANALYSIS

FIGURE 30 JURISDICTION ANALYSIS

5.10.4 TOP PATENT OWNERS

FIGURE 31 TOP 10 COMPANIES WITH PUBLISHED PATENT APPLICATIONS,

2011-2020

TABLE 13 TOP 20 PUBLISHED PATENT OWNERS IN THE LAST 10 YEARS

5.11 TRADE ANALYSIS

FIGURE 32 COUNTRY-WISE EXPORT DATA FOR PRODUCTS CLASSIFIED UNDER HS CODE: 8539, 2016–2020

TABLE 14 EXPORT SCENARIO FOR HS CODE: 8539-COMPLIANT PRODUCTS, BY COUNTRY, 2016–2020 (USD THOUSAND)

FIGURE 33 COUNTRY-WISE IMPORT DATA FOR PRODUCTS CLASSIFIED UNDER HS CODE: 8539, 2016–2020

TABLE 15 IMPORT SCENARIO FOR HS CODE: 8481-COMPLIANT PRODUCTS, BY COUNTRY, 2016–2020 (USD THOUSAND)

5.12 PORTER'S FIVE FORCES ANALYSIS

FIGURE 34 PORTER'S FIVE FORCES ANALYSIS

TABLE 16 PORTER'S FIVE FORCES ANALYSIS WITH THEIR IMPACT

5.12.1 THREAT OF NEW ENTRANTS

5.12.2 THREAT OF SUBSTITUTES

5.12.3 BARGAINING POWER OF SUPPLIERS

5.12.4 BARGAINING POWER OF BUYERS

5.12.5 DEGREE OF COMPETITIVE RIVALRY

5.13 REGULATORY LANDSCAPE

TABLE 17 REGULATIONS: UV CURING SYSTEM

6 UV CURING SYSTEM MARKET, BY TECHNOLOGY

6.1 INTRODUCTION

FIGURE 35 UV LED IS EXPECTED TO GROW AT A HIGHER CAGR DURING THE FORECAST PERIOD

TABLE 18 UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 19 UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2021–2026 (USD MILLION)

6.2 MERCURY LAMPS

6.2.1 INCREASING INDUSTRIAL DEVELOPMENT AND STRINGENT GOVERNMENT REGULATIONS DRIVE THIS SEGMENT

TABLE 20 MERCURY LAMPS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 21 MERCURY LAMPS MARKET, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 22 MERCURY LAMPS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 23 MERCURY LAMPS MARKET, BY REGION, 2021–2026 (USD MILLION)
6.3 UV LEDS

6.3.1 NORTH AMERICA EXPECTED TO BE LARGEST MARKET FOR UV LEDS
DURING FORECAST PERIOD

TABLE 24 UV LEDS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 25 UV LEDS MARKET, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 26 UV LEDS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 27 UV LEDS MARKET, BY REGION, 2021–2026 (USD MILLION)

7 UV CURING SYSTEM MARKET, BY TYPE

7.1 INTRODUCTION

FIGURE 36 SPOT CURE SYSTEM EXPECTED TO LEAD UV CURING SYSTEM
MARKET DURING FORECAST PERIOD

TABLE 28 UV CURING SYSTEM MARKET, BY TYPE, 2017–2020 (USD MILLION)

TABLE 29 UV CURING SYSTEM MARKET, BY TYPE, 2021–2026 (USD MILLION)

TABLE 30 UV CURING SYSTEM MARKET, BY TYPE, 2017–2020 (THOUSAND
UNITS)

TABLE 31 UV CURING SYSTEM MARKET, BY TYPE, 2021–2026 (THOUSAND
UNITS)

7.2 SPOT CURE

7.2.1 SPOT CURE TO ACCOUNT FOR LARGEST MARKET SHARE DURING
FORECAST PERIOD

TABLE 32 SPOT CURE UV CURING SYSTEM MARKET, BY REGION, 2017–2020
(USD MILLION)

TABLE 33 SPOT CURE UV CURING SYSTEM MARKET, BY REGION, 2021–2026
(USD MILLION)

7.3 FLOOD CURE & FOCUSED BEAM

7.3.1 FLOOD CURE & FOCUSED BEAM TO GROW AT HIGHEST CAGR DURING
FORECAST PERIOD

TABLE 34 FLOOD CURE & FOCUSED BEAM UV CURING SYSTEM MARKET, BY
REGION, 2017–2020 (USD MILLION)

TABLE 35 FLOOD CURE & FOCUSED BEAM UV CURING SYSTEM MARKET, BY
REGION, 2021–2026 (USD MILLION)

7.4 CONVEYOR

7.4.1 ADOPTION OF CONVEYOR SYSTEMS SPURRED BY CONSISTENT, FAST &
SAFE CURING OF ADHESIVES

TABLE 36 CONVEYOR UV CURING SYSTEM MARKET, BY REGION, 2017–2020
(USD MILLION)

TABLE 37 CONVEYOR UV CURING SYSTEM MARKET, BY REGION, 2021–2026 (USD MILLION)

8 UV CURING SYSTEM MARKET, BY PRESSURE TYPE

8.1 INTRODUCTION

FIGURE 37 HIGH-PRESSURE SEGMENT EXPECTED TO DOMINATE UV CURING SYSTEM MARKET DURING FORECAST PERIOD

TABLE 38 UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 39 UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

8.2 HIGH

8.2.1 LONGER LIFESPAN OF HIGH-PRESSURE SYSTEMS INCREASES THEIR ADOPTION

TABLE 40 HIGH-PRESSURE UV CURING SYSTEM MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 41 HIGH-PRESSURE UV CURING SYSTEM MARKET, BY REGION, 2021–2026 (USD MILLION)

TABLE 42 HIGH-PRESSURE UV CURING SYSTEM MARKET IN NORTH AMERICA, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 43 HIGH-PRESSURE UV CURING SYSTEM MARKET IN NORTH AMERICA, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 44 HIGH-PRESSURE UV CURING SYSTEM MARKET IN EUROPE, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 45 HIGH-PRESSURE UV CURING SYSTEM MARKET IN EUROPE, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 46 HIGH-PRESSURE UV CURING SYSTEM MARKET IN APAC, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 47 HIGH-PRESSURE UV CURING SYSTEM MARKET IN APAC, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 48 HIGH-PRESSURE UV CURING SYSTEM MARKET IN ROW, BY REGION, 2017–2020 (USD MILLION)

TABLE 49 HIGH-PRESSURE UV CURING SYSTEM MARKET IN ROW, BY REGION, 2021–2026 (USD MILLION)

8.3 MEDIUM

8.3.1 HIGH DEMAND FOR MEDIUM-PRESSURE LAMPS ACROSS INDUSTRIES BOOST MARKET GROWTH

TABLE 50 MEDIUM PRESSURE UV CURING SYSTEM MARKET, BY REGION,

2017–2020 (USD MILLION)

TABLE 51 MEDIUM PRESSURE UV CURING SYSTEM MARKET, BY REGION,
2021–2026 (USD MILLION)

TABLE 52 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN NORTH
AMERICA, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 53 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN NORTH
AMERICA, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 54 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN EUROPE, BY
COUNTRY, 2017–2020 (USD MILLION)

TABLE 55 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN EUROPE, BY
COUNTRY, 2021–2026 (USD MILLION)

TABLE 56 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN APAC, BY
COUNTRY, 2017–2020 (USD MILLION)

TABLE 57 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN APAC, BY
COUNTRY, 2021–2026 (USD MILLION)

TABLE 58 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN ROW, BY
REGION, 2017–2020 (USD MILLION)

TABLE 59 MEDIUM PRESSURE UV CURING SYSTEM MARKET IN ROW, BY
REGION, 2021–2026 (USD MILLION)

8.4 LOW

8.4.1 NORTH AMERICA EXPECTED TO BE FASTEST-GROWING MARKET FOR
UV CURING SYSTEMS DURING FORECAST PERIOD

TABLE 60 LOW-PRESSURE UV CURING SYSTEM MARKET, BY TYPE, BY REGION,
2017–2020 (USD MILLION)

TABLE 61 LOW-PRESSURE UV CURING SYSTEM MARKET, BY REGION,
2021–2026 (USD MILLION)

TABLE 62 LOW-PRESSURE UV CURING SYSTEM MARKET IN NORTH AMERICA,
BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 63 LOW-PRESSURE UV CURING SYSTEM MARKET IN NORTH AMERICA,
BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 64 LOW-PRESSURE UV CURING SYSTEM MARKET IN EUROPE, BY
COUNTRY, 2017–2020 (USD MILLION)

TABLE 65 LOW-PRESSURE UV CURING SYSTEM MARKET IN EUROPE, BY
COUNTRY, 2021–2026 (USD MILLION)

TABLE 66 LOW-PRESSURE UV CURING SYSTEM MARKET IN APAC, BY
COUNTRY, 2017–2020 (USD MILLION)

TABLE 67 LOW-PRESSURE UV CURING SYSTEM MARKET IN APAC, BY
COUNTRY, 2021–2026 (USD MILLION)

TABLE 68 LOW-PRESSURE UV CURING SYSTEM MARKET IN ROW, BY REGION,

2017–2020 (USD MILLION)

TABLE 69 LOW-PRESSURE UV CURING SYSTEM MARKET IN ROW, BY REGION,
2021–2026 (USD MILLION)

9 UV CURING SYSTEM MARKET, BY APPLICATION

9.1 INTRODUCTION

FIGURE 38 COATING & FINISHING SEGMENT EXPECTED TO DOMINATE UV
CURING SYSTEM MARKET DURING FORECAST PERIOD

TABLE 70 UV CURING SYSTEM MARKET, BY APPLICATION, 2017–2020 (USD
MILLION)

TABLE 71 UV CURING SYSTEM MARKET, BY APPLICATION, 2021–2026 (USD
MILLION)

9.2 PRINTING

9.2.1 MARKET FOR PRINTING EXPECTED TO GROW AT HIGHEST CAGR
DURING FORECAST PERIOD

TABLE 72 UV CURING SYSTEM MARKET FOR PRINTING, BY TECHNOLOGY,
2017–2020 (USD MILLION)

TABLE 73 UV CURING SYSTEM MARKET FOR PRINTING, BY TECHNOLOGY,
2021–2026 (USD MILLION)

9.3 BONDING & ASSEMBLING

9.3.1 UV CURING FOR BONDING IS HIGHLY EFFECTIVE ON GLASS DUE TO ITS
HIGH TRANSPARENCY AND EXCEPTIONAL STABILITY

TABLE 74 UV CURING SYSTEM MARKET FOR BONDING & ASSEMBLING, BY
TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 75 UV CURING SYSTEM MARKET FOR BONDING & ASSEMBLING, BY
TECHNOLOGY, 2021–2026 (USD MILLION)

9.4 COATING & FINISHING

9.4.1 UV COATINGS AND FINISHES OFFER INCREASED HARDNESS AND
SOLVENT RESISTANCE, HIGH-QUALITY FINAL PRODUCT

TABLE 76 UV CURING SYSTEM MARKET FOR COATING & FINISHING, BY
TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 77 UV CURING SYSTEM MARKET FOR COATING & FINISHING, BY
TECHNOLOGY, 2021–2026 (USD MILLION)

9.5 OTHERS

TABLE 78 UV CURING SYSTEM MARKET FOR OTHER APPLICATIONS, BY
TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 79 UV CURING SYSTEM MARKET FOR OTHER APPLICATIONS, BY
TECHNOLOGY, 2021–2026 (USD MILLION)

10 UV CURING SYSTEM MARKET, BY VERTICAL

10.1 INTRODUCTION

FIGURE 39 LIFE SCIENCE & MEDICAL SEGMENT EXPECTED TO DOMINATE UV CURING SYSTEM MARKET DURING FORECAST PERIOD

TABLE 80 UV CURING SYSTEM MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 81 UV CURING SYSTEM MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

10.2 LIFE SCIENCE & MEDICAL

10.2.1 ADOPTION OF UV CURING SYSTEMS IN THIS SEGMENT HAS INCREASED OWING TO THEIR PROPERTIES

FIGURE 40 APPLICATION OF UV CURING SYSTEM IN LIFE SCIENCE AND MEDICAL VERTICAL

10.2.2 MAKING/DECORATING

10.2.3 BONDING/ASSEMBLY

10.2.4 COATINGS

10.2.5 UV EQUIPMENT

TABLE 82 UV CURING SYSTEM MARKET FOR LIFE SCIENCE & MEDICAL, BY REGION, 2017–2020 (USD MILLION)

TABLE 83 UV CURING SYSTEM MARKET FOR LIFE SCIENCE & MEDICAL, BY REGION, 2021–2026 (USD MILLION)

10.3 CONSUMER ELECTRONICS

10.3.1 MULTIPLE APPLICATIONS OF UV CURING SYSTEMS IN CONSUMER ELECTRONICS TO DRIVE THIS SEGMENT

FIGURE 41 UV CURING SYSTEM MARKET FOR CONSUMER ELECTRONICS, BY REGION

TABLE 84 UV CURING SYSTEM MARKET FOR CONSUMER ELECTRONICS, BY REGION, 2017–2020 (USD MILLION)

TABLE 85 UV CURING SYSTEM MARKET FOR CONSUMER ELECTRONICS, BY REGION, 2021–2026 (USD MILLION)

10.4 INDUSTRIAL & MACHINERY

10.4.1 LEADING COMPANIES ARE USING UV CURING SYSTEMS FOR MANUFACTURING PURPOSES

TABLE 86 UV CURING SYSTEM MARKET FOR INDUSTRIAL & MACHINERY, BY REGION, 2017–2020 (USD MILLION)

TABLE 87 UV CURING SYSTEM MARKET FOR INDUSTRIAL & MACHINERY, BY REGION, 2021–2026 (USD MILLION)

10.5 SEMICONDUCTOR

10.5.1 HIGH SPEED AND OPTIMUM RESULTS INCREASED THE ADOPTION RATE OF UV CURING SYSTEMS IN SEMICONDUCTORS

FIGURE 42 UV CURING SYSTEM MARKET FOR SEMICONDUCTORS, BY REGION

TABLE 88 UV CURING SYSTEM MARKET FOR SEMICONDUCTOR, BY REGION, 2017–2020 (USD MILLION)

TABLE 89 UV CURING SYSTEM MARKET FOR SEMICONDUCTOR, BY REGION, 2021–2026 (USD MILLION)

10.6 AUTOMOTIVE APPLICATIONS OF UV CURING SYSTEMS

10.6.1 UV CURING'S FUNCTIONAL AND AESTHETIC APPLICATIONS INCREASE THEIR ADOPTION IN AUTOMOTIVE VERTICAL

TABLE 90 UV CURING SYSTEM MARKET FOR AUTOMOTIVE, BY REGION, 2017–2020 (USD MILLION)

TABLE 91 UV CURING SYSTEM MARKET FOR AUTOMOTIVE, BY REGION, 2021–2026 (USD MILLION)

10.7 AEROSPACE & DEFENSE

10.7.1 UV CURING HELPS MANUFACTURERS IMPROVE IMAGING SENSORS USED FOR GROUND PROXIMITY, AIRCRAFT HEALTH MANAGEMENT, SURVEILLANCE, MISSILE GUIDANCE SYSTEMS, AND PROTECT PCB ASSEMBLIES FROM HARSH CONDITIONS

TABLE 92 UV CURING SYSTEM MARKET FOR AEROSPACE & DEFENSE, BY REGION, 2017–2020 (USD MILLION)

TABLE 93 UV CURING SYSTEM MARKET FOR AEROSPACE & DEFENSE, BY REGION, 2021–2026 (USD MILLION)

10.8 MARINE

10.8.1 UV CURING SYSTEMS OFFER STRONG BONDING SOLUTIONS AGAINST HARSH ENVIRONMENTAL CONDITIONS, ALONG WITH FLEXIBILITY TO COMBAT VIBRATIONS

FIGURE 43 UV CURING SYSTEM MARKET FOR MARINE, BY REGION

TABLE 94 UV CURING SYSTEM MARKET FOR MARINE, BY REGION, 2017–2020 (USD MILLION)

TABLE 95 UV CURING SYSTEM MARKET FOR MARINE, BY REGION, 2021–2026 (USD MILLION)

10.9 ENERGY

10.9.1 UV CURING TECHNOLOGIES ARE EXTENSIVELY USED TO COAT OIL AND GAS PIPELINES IN THIS SEGMENT

TABLE 96 UV CURING SYSTEM MARKET FOR ENERGY, BY REGION, 2021–2026 (USD MILLION)

10.10 CONSTRUCTION

10.10.1 UV CURING PROTECTS AND SEALS BUILDINGS FROM EXTREME ENVIRONMENTAL CONDITIONS

FIGURE 44 UV CURING SYSTEM MARKET FOR CONSTRUCTION, BY REGION

TABLE 97 UV CURING SYSTEM MARKET FOR CONSTRUCTION, BY REGION, 2017–2020 (USD MILLION)

TABLE 98 UV CURING SYSTEM MARKET FOR CONSTRUCTION, BY REGION, 2021–2026 (USD MILLION)

10.11 OTHERS

TABLE 99 UV CURING SYSTEM MARKET FOR OTHER VERTICALS, BY REGION, 2017–2020 (USD MILLION)

TABLE 100 UV CURING SYSTEM MARKET FOR OTHER VERTICALS, BY REGION, 2021–2026 (USD MILLION)

11 GEOGRAPHIC ANALYSIS

11.1 INTRODUCTION

FIGURE 45 UV CURING SYSTEM MARKET IN APAC TO GROW AT THE HIGHEST CAGR FROM 2021 TO 2026

TABLE 101 UV CURING SYSTEM MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 102 UV CURING SYSTEM MARKET, BY REGION, 2021–2026 (USD MILLION)

11.2 NORTH AMERICA

FIGURE 46 NORTH AMERICA UV CURING SYSTEM MARKET SNAPSHOT

TABLE 103 NORTH AMERICA: UV CURING SYSTEM MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 104 NORTH AMERICA: UV CURING SYSTEM MARKET, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 105 NORTH AMERICA: UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 106 NORTH AMERICA: UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 107 NORTH AMERICA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 108 NORTH AMERICA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

TABLE 109 NORTH AMERICA: UV CURING SYSTEM MARKET, BY TYPE, 2017–2020 (USD MILLION)

TABLE 110 NORTH AMERICA: UV CURING SYSTEM MARKET, BY TYPE, 2021–2026 (USD MILLION)

TABLE 111 NORTH AMERICA: UV CURING SYSTEM MARKET, BY VERTICAL,

2017–2020 (USD MILLION)

TABLE 112 NORTH AMERICA: UV CURING SYSTEM MARKET, BY INDUSTRY,
2021–2026 (USD MILLION)

11.2.1 US

11.2.1.1 US is the largest market in North America

TABLE 113 US: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020
(USD MILLION)

TABLE 114 US: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026
(USD MILLION)

11.2.2 CANADA

11.2.2.1 Low-pressure UV curing system market in Canada expected to witness
tremendous growth

TABLE 115 CANADA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2017–2020 (USD MILLION)

TABLE 116 CANADA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2021–2026 (USD MILLION)

11.2.3 MEXICO

11.2.3.1 UV curing system market in Mexico is in the nascent stage

TABLE 117 MEXICO: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2017–2020 (USD MILLION)

TABLE 118 MEXICO: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2021–2026 (USD MILLION)

11.3 EUROPE

FIGURE 47 EUROPE UV CURING SYSTEM MARKET SNAPSHOT

TABLE 119 EUROPE: UV CURING SYSTEM MARKET, BY COUNTRY, 2017–2020
(USD MILLION)

TABLE 120 EUROPE: UV CURING SYSTEM MARKET, BY COUNTRY, 2021–2026
(USD MILLION)

TABLE 121 EUROPE: UV CURING SYSTEM MARKET, BY TECHNOLOGY,
2017–2020 (USD MILLION)

TABLE 122 EUROPE: UV CURING SYSTEM MARKET, BY TECHNOLOGY,
2021–2026 (USD MILLION)

TABLE 123 EUROPE: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2017–2020 (USD MILLION)

TABLE 124 EUROPE: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2021–2026 (USD MILLION)

TABLE 125 EUROPE: UV CURING SYSTEM MARKET, BY TYPE, 2017–2020 (USD
MILLION)

TABLE 126 EUROPE: UV CURING SYSTEM MARKET, BY TYPE, 2021–2026 (USD

MILLION)

TABLE 127 EUROPE: UV CURING SYSTEM MARKET, BY VERTICAL, 2017–2020
(USD MILLION)

TABLE 128 EUROPE: UV CURING SYSTEM MARKET, BY VERTICAL, 2021–2026
(USD MILLION)

11.3.1 GERMANY

11.3.1.1 Presence of major manufacturers to boost demand for UV curing systems

TABLE 129 GERMANY: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2017–2020 (USD MILLION)

TABLE 130 GERMANY: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2021–2026 (USD MILLION)

11.3.2 FRANCE

11.3.2.1 Environmental concerns and government mandates expected to boost
adoption of UV curing technology

TABLE 131 FRANCE: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2017–2020 (USD MILLION)

TABLE 132 FRANCE: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2021–2026 (USD MILLION)

11.3.3 UK

11.3.3.1 Growing construction sector likely to boost demand for UV curing technology
in the UK

TABLE 133 UK: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020
(USD MILLION)

TABLE 134 UK: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026
(USD MILLION)

11.3.4 ITALY

11.3.4.1 Adoption of UV curing system in medical equipment will boost the market in
Italy

TABLE 135 ITALY: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2017–2020 (USD MILLION)

TABLE 136 ITALY: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,
2021–2026 (USD MILLION)

11.3.5 REST OF EUROPE

TABLE 137 REST OF EUROPE: UV CURING SYSTEM MARKET, BY PRESSURE
TYPE, 2017–2020 (USD MILLION)

TABLE 138 REST OF EUROPE: UV CURING SYSTEM MARKET, BY PRESSURE
TYPE, 2021–2026 (USD MILLION)

11.4 APAC

FIGURE 48 ASIA PACIFIC UV CURING SYSTEM MARKET SNAPSHOT

TABLE 139 APAC: UV CURING SYSTEM MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 140 APAC: UV CURING SYSTEM MARKET, BY COUNTRY, 2021–2026 (USD MILLION)

TABLE 141 APAC: UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 142 APAC: UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 143 APAC: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 144 APAC: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

TABLE 145 APAC: UV CURING SYSTEM MARKET, BY TYPE, 2017–2020 (USD MILLION)

TABLE 146 APAC: UV CURING SYSTEM MARKET, BY TYPE, 2021–2026 (USD MILLION)

TABLE 147 APAC: UV CURING SYSTEM MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 148 APAC: UV CURING SYSTEM MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

11.4.1 CHINA

11.4.1.1 Numerous projects requiring UV curing technology is increasing the demand of UV curing market in China

TABLE 149 CHINA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 150 CHINA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

11.4.2 JAPAN

11.4.2.1 Japan is the largest distributor of UV products in APAC

TABLE 151 JAPAN: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 152 JAPAN: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

11.4.3 INDIA

11.4.3.1 Use of UV curing system for wood and plastic coating is expected to boost the market in India

TABLE 153 INDIA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 154 INDIA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE,

2021–2026 (USD MILLION)

11.4.4 SOUTH KOREA

11.4.4.1 Implementation of strict emission norms propel market growth in South Korea

TABLE 155 SOUTH KOREA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 156 SOUTH KOREA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

11.4.5 11.4.5 REST OF APAC

TABLE 157 REST OF APAC: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 158 REST OF APAC: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

11.5 ROW

FIGURE 49 ROW: UV CURING SYSTEM MARKET, BY REGION

TABLE 159 ROW: UV CURING SYSTEM MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 160 ROW: UV CURING SYSTEM MARKET, BY REGION, 2021–2026 (USD MILLION)

TABLE 161 ROW: UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2017–2020 (USD MILLION)

TABLE 162 ROW: UV CURING SYSTEM MARKET, BY TECHNOLOGY, 2021–2026 (USD MILLION)

TABLE 163 ROW: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 164 ROW: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

TABLE 165 ROW: UV CURING SYSTEM MARKET, BY TYPE, 2017–2020 (USD MILLION)

TABLE 166 ROW: UV CURING SYSTEM MARKET, BY TYPE, 2021–2026 (USD MILLION)

TABLE 167 ROW: UV CURING SYSTEM MARKET, BY VERTICAL, 2017–2020 (USD MILLION)

TABLE 168 ROW: UV CURING SYSTEM MARKET, BY VERTICAL, 2021–2026 (USD MILLION)

11.5.1 SOUTH AMERICA

11.5.1.1 South America to hold larger share of UV curing system market in RoW
TABLE 169 SOUTH AMERICA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 170 SOUTH AMERICA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

11.5.2 MIDDLE EAST & AFRICA

11.5.2.1 MEA is expected to witness high adoption of UV curing technology

TABLE 171 MIDDLE EAST & AFRICA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2017–2020 (USD MILLION)

TABLE 172 MIDDLE EAST & AFRICA: UV CURING SYSTEM MARKET, BY PRESSURE TYPE, 2021–2026 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

FIGURE 50 KEY DEVELOPMENTS UNDERTAKEN BY LEADING PLAYERS IN THE UV CURING SYSTEM MARKET FROM 2018 TO 2021

12.2 MARKET SHARE AND RANKING ANALYSIS

FIGURE 51 UV CURING SYSTEM MARKET: MARKET SHARE ANALYSIS

TABLE 173 UV CURING SYSTEM MARKET: DEGREE OF COMPETITION

TABLE 174 UV CURING SYSTEM MARKET: RANKING ANALYSIS

12.3 FIVE-YEAR COMPANY REVENUE ANALYSIS

FIGURE 52 REVENUE ANALYSIS OF KEY COMPANIES IN LAST FIVE YEARS

12.4 COMPANY EVALUATION QUADRANT, 2020

FIGURE 53 UV CURING SYSTEM MARKET: COMPANY EVALUATION QUADRANT, 2020

12.4.1 STAR

12.4.2 PERVASIVE

12.4.3 EMERGING LEADER

12.4.4 PARTICIPANT

12.5 COMPETITIVE BENCHMARKING

TABLE 175 COMPANY FOOTPRINT (26 COMPANIES)

TABLE 176 APPLICATION FOOTPRINT (26 COMPANIES)

TABLE 177 REGIONAL FOOTPRINT (26 COMPANIES)

12.6 STARTUP/SME EVALUATION QUADRANT, 2020

FIGURE 54 UV CURING SYSTEM: STARTUP/SME EVALUATION QUADRANT, 2020

12.6.1 PROGRESSIVE COMPANIES

12.6.2 RESPONSIVE COMPANIES

12.6.3 DYNAMIC COMPANIES

12.6.4 STARTING BLOCKS

12.7 COMPETITIVE SCENARIO AND TRENDS

12.7.1 PRODUCT LAUNCHES

TABLE 178 UV CURING SYSTEM: NEW PRODUCT LAUNCHES, BY COMPANY,
MAY 2018–NOVEMBER 2021

12.7.2 DEALS

TABLE 179 UV CURING SYSTEM: DEALS, BY COMPANY, APRIL 2020–JANUARY
2021

13 COMPANY PROFILES

(Business Overview, Products/solutions/services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

13.1 INTRODUCTION

13.2 KEY PLAYERS

13.2.1 DYMAX

TABLE 180 DYMAX: BUSINESS OVERVIEW

TABLE 181 DYMAX: PRODUCT LAUNCHES

TABLE 182 DYMAX: DEALS

13.2.2 NORDSON

TABLE 183 NORDSON: BUSINESS OVERVIEW

FIGURE 55 NORDSON: COMPANY SNAPSHOT

TABLE 184 NORDSON: PRODUCT LAUNCHES

13.2.3 HERAEUS

TABLE 185 HERAEUS: BUSINESS OVERVIEW

TABLE 186 HERAEUS: PRODUCT LAUNCHES

TABLE 187 HERAEUS: DEALS

TABLE 188 HERAEUS: OTHERS

13.2.4 PHOSEON TECHNOLOGY

TABLE 189 PHOSEON TECHNOLOGY: BUSINESS OVERVIEW

TABLE 190 PHOSEON TECHNOLOGY: PRODUCT LAUNCHES

TABLE 191 PHOSEON TECHNOLOGY: DEALS

13.2.5 IST METZ GMBH

TABLE 192 IST METZ GMBH: BUSINESS OVERVIEW

TABLE 193 IST METZ GMBH: DEALS

13.2.6 BALDWIN TECHNOLOGY

TABLE 194 BALDWIN TECHNOLOGY: BUSINESS OVERVIEW

TABLE 195 BALDWIN TECHNOLOGY: DEALS

13.2.7 AMERICAN ULTRAVIOLET

TABLE 196 AMERICAN ULTRAVIOLET: BUSINESS OVERVIEW

TABLE 197 AMERICAN ULTRAVIOLET: PRODUCT LAUNCHES

13.2.8 HANOVIA

TABLE 198 HANOVIA: BUSINESS OVERVIEW

13.2.9 EXCELITAS TECHNOLOGIES

TABLE 199 EXCELITAS TECHNOLOGIES: BUSINESS OVERVIEW

TABLE 200 EXCELITAS TECHNOLOGIES: PRODUCT LAUNCHES

TABLE 201 EXCELITAS TECHNOLOGIES: OTHERS

13.2.10 H?NLE

TABLE 202 H?NLE: BUSINESS OVERVIEW

FIGURE 56 H?NLE: COMPANY SNAPSHOT

TABLE 203 H?NLE: PRODUCT LAUNCHES

TABLE 204 H?NLE: DEALS

13.3 OTHER KEY PLAYERS

13.3.1 OMRON CORPORATION

13.3.2 UVITRON

13.3.3 ATLANTIC ZEISER

13.3.4 BENFORD UV

13.3.5 MILTEC UV

13.3.6 THORLABS

13.3.7 UVEXS INCORPORATED

13.3.8 GEW (EC) LIMITED

13.3.9 DELO

13.3.10 APL MACHINERY PVT. LTD.

13.3.11 KYOCERA CORPORATION

13.3.12 SENLIAN

13.3.13 PANASONIC

13.3.14 DOCTORUV

13.3.15 SHENZHEN NAIMEITE

13.3.16 JENTON INTERNATIONAL

*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.

14 APPENDIX

14.1 INSIGHTS OF INDUSTRY EXPERTS

14.2 QUESTIONNAIRE FOR UV CURING SYSTEM MARKET

14.3 KNOWLEDGE STORE: MARKETSSANDMARKETS' SUBSCRIPTION PORTAL

14.4 AVAILABLE CUSTOMIZATIONS

14.5 RELATED REPORTS

14.6 AUTHOR DETAILS

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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