

UV Infection Control Device Market, By Type (Mobile Type and Stationary Type), By End-User Type (Hospitals, Medical Device Companies, Clinics and Laboratories, Pharmaceutical Companies, Food Industry, and Others), For Application (Water, Wastewater & Process Water Treatment, Air Treatment, and Surface Disinfection) - Global Industry Analysis, Size, Share, Growth, Trends, and Forecast, 2017 - 2025

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Abstracts

Report Brief

The report covers forecast and analysis for the UV infection control device (ICD) market on a global and regional level.

The report also provides historical data of the market for better understanding the dynamics and trends prevalent in the market.

The report includes the positive and the negative factors that are influencing the growth of the market.

Detailed information about the market opportunities and challenges are discussed.

The key target audience for the market has been determined in the report.

The revenue generated by the prominent industry players has been analyzed in the report.

The market numbers have been calculated using bottom-up and top-down approaches.

The UV infection control device (ICD) market has been analyzed using Porters Five Forces analysis and PESTLE analysis.

The market is segmented on the basis of type, end-user type, and application, which in turn are bifurcated on a regional level as well.

All the segments have been evaluated based on the present and the future key industry trends.

The report deals with the in-depth quantitative and qualitative analyses of the UV infection control device(ICDs) market.

The report includes the detailed company profiles of the prominent market players.

Detailed list of suppliers of ICDs solutions and buyers (end-users) are included in the report.

The report provides key trends and key takeaways observed in the market.

The report study includes a regulatory scenario in different regions, technological roadmap, and key industry developments.

Data analysis is carried out and represented in three patterns: Descriptive Analysis (Historical), Predictive Analysis (2017-2025), and Prescriptive Analysis (Actionable Insights).

Incremental opportunity analysis and key investment pockets have been identified in the report for all the relevant segments.

Adoption rate and penetration rate have been analyzed in the report study.

Value chain analysis, distribution and marketing channel analysis, and pricing

analysis coupled with industry cost structure have been provided in the report study.

Market Summary

UV infection control devices (ICDs) are systems and equipment that are utilized to sterilize, sanitize, and disinfect various products, tools, and others using UV light. Generally, UV infection control devices (ICDs) are utilized to sanitize water, wastewater, air, process water, and surfaces, among others. When bacteria, viruses, and protozoa are exposed to a range of 200 and 300 nanometers wavelengths of UV light, they are rendered incapable of reproducing and infecting. UV light can be effective against pathogenic organisms such as cholera, polio, typhoid, hepatitis and other bacterial, viral, and parasitic diseases. UV infection control devices (ICDs) are available as stationary and mobile devices.

Value

The global UV infection control device (ICD) market was valued more than USD 1,600 million in the year 2016 and it is expected to fetch around USD 5,500 million by 2025. The global UV infection control device market is expected to exhibit a CAGR of more than 14% between 2017 and 2025.

Drivers and Restraints

The major factor driving the growth of UV infection control device (ICD) market are Millennium Development Goals (MDGs) and Sustainable Development Goals (SDGs) of the UN for water treatment and clean water. World Health Organization (WHO) estimated that around 7 million deaths occur annually due to various infections which spread through water, air, and surfaces. These deaths can be prevented with proper disinfection and sanitization techniques. Sustainable Development Goals (SDGs) by the UN which would strive to achieve 17 goals till 2030 has clean water and sanitation for all as one of its prime goals.

Increasing needs for safe drinking water in developing regions have further boosted the demand for UV ICDs. Around 663 million people across the globe don't have access to clean drinking water. Thus, this factor is expected to boost the demand for UV ICDs during the forecast period.

Currently, numerous disinfectants and curing chemicals are widely used for sterilization purposes. These chemicals pose grave threats to the environment as well as lead to residue after its usage. These factors could propel the replacement of harmful disinfectants and curing chemicals with UV ICDs.

However, comparatively lower costs of conventional disinfectant products coupled with the inability of UV ICDs to treat residuals could hamper the adoption and growth of UV ICDs during the forecast period.

Segmentation

Mobile type UV ICDs are versatile and can be moved and transported to different locations with relative ease. This versatility and mobility have boosted the demand for mobile type UV ICDs. The stationary type UV ICDs are fixed to one location or spot and cannot be moved or transported. Stationary type UV ICDs are expected to grow at a CAGR of 14.5% from 2017 to 2025. Mobile type UV ICDs are expected to generate revenues of more than USD 3,500 million by 2025.

Hospitals dominate the global UV infection control device market. Most of the hospitals employ some type of UV ICDs in their premises. UV ICDs are used in operation room, equipment room, patient room, and can also be used in the duct, surface, and mobile rooms among others in hospitals. Hospital-acquired infections (HAI) and drug-resistant bacteria could be sterilized and prevented with the aid of UV ICDs. Thus, hospitals have a huge demand for UV ICDs. Hospitals contributed to around 40% share of the total demand for UV ICDs in 2016.

Water, wastewater process water treatment application contributed to more than USD 1,300 million in 2016. UV ICDs assist in treating water, wastewater, and processed water from industries. Treatment by UV ICDs does not leave any by-products in the treated water and is comparatively cheaper and easily available as compared to other water treatment technologies. Surface disinfection application is expected to grow at leading CAGR of more than 20% during the forecast period.

The major market share for the UV infection control device market was contributed by North America. North America dominates the global UV infection

control device market. Presence of a high number of hospitals, clinics laboratories, pharmaceutical companies, and water and wastewater treatment facilities has boosted the demand for UV ICDs solutions in this region. In addition, stringent regulations regarding sterilization and disinfection of water and limitations on use of disinfectant chemicals have led to the adoption of UV ICDs solutions in this region.

Industry Players

The report includes detailed profiles of the prominent market players that are trending in the global UV infection control device market. The list of the players that are compiled in the report include 3M, American Air Water, Inc., American Ultraviolet, Inc., AquiSense Technologies, Atlantic Ultraviolet Corporation, Diversey, Inc., First Light Technologies, Inc., Getinge Group, Skytron LLC (Infection Prevention Technologies), KLM Medical Equipment, Koninklijke Philips N.V., Lumalier Corporation, Seal Shield LLC, STERIS Plc., The Clorox Company, UVC Cleaning Systems, Xenex Disinfection Services, Xylem Inc., Tru-D Smart UVC, Ultraviolet Devices, Inc., and much more.

The prominent market players maintain the competitive edge in the global market by injecting higher investments in RD activities. Introduction of innovative products and technologies further strengthens the market position of companies. Furthermore, merger and acquisition activities have assisted companies to improve their product portfolio as well as expand global presence to capture new markets. In 2017, AquiSense Technologies and Distform S.L. collaborated to offer award-winning Food Protection solutions. Similarly, in 2017, Skytron acquired Infection Prevention Technologies (IPT) assets and their patented technologies such as IPT UV Disinfection Technology.

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