

UV Disinfection Equipment Market Opportunity

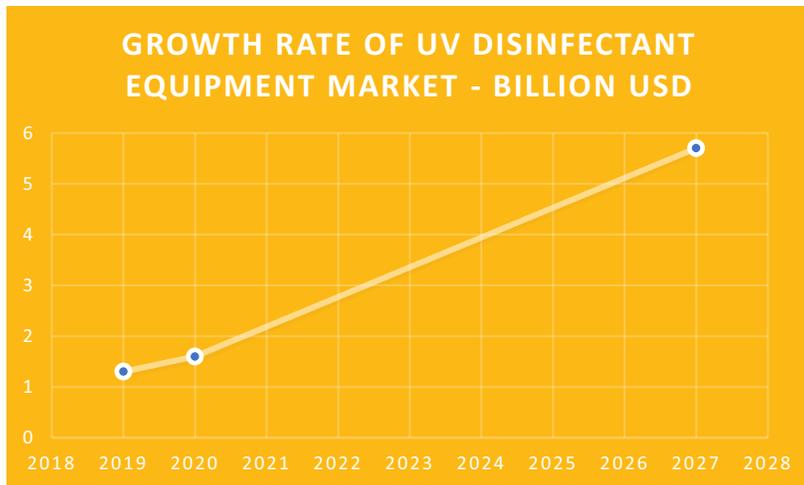


NUCLEONIX SYSTEMS PVT LTD INDIA

AN ISO 9001-2015 COMPANY NABL Accredited Calibration Services

UV Disinfection Equipment Market Opportunity

The global UV disinfection equipment market was valued at \$1.3 billion in 2019, projected at \$1.6 billion in 2020 and is projected to reach \$5.7 billion by 2027, growing at a CAGR of 17.1% from 2020 to 2027



Source: www.alliedmarketresearch.com

Applications and Market segments

[A] Drinking water, Waste water, Process water

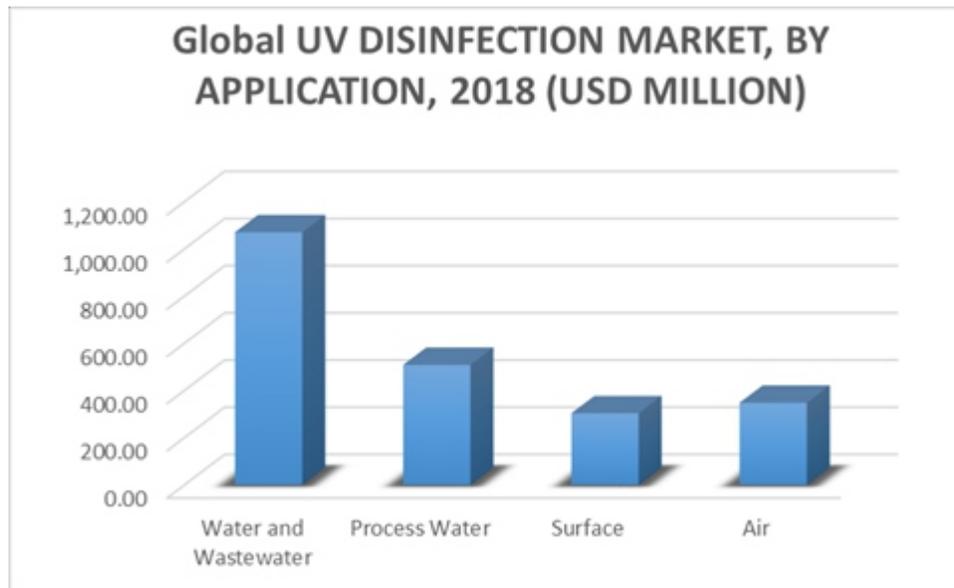
Municipal drinking water and industrial process water treatment is expected to drive the market growth. Supporting government policies for water and wastewater treatment has accelerated the technology growth in developing countries. Rapid industrialization in developing countries has resulted in air and water pollution, which in turn affected the rain falls and purity of natural water resources. Surge in demand for clean and safe drinking water, owing to rise in population and scarcity for freshwater resources is expected to have a positive impact on the UV Disinfection equipment market.

[b] Surface disinfection

Ongoing COVID-19 pandemic across the globe has led to increase in demand for automated UV-C light-based surface disinfection systems. Healthcare industry and commercial institutions are using this equipment to stop the transmission of corona virus and avoiding the manual cleaning practices. Disinfection of all Microbes using UV technology will become a new norm post Covid-19. These factors are expected to drive the growth of the UV disinfection equipment market during the forecast period. Food and beverage industry is utilizing this technology for disinfection against microbes. Educational institutions, Govt buildings, public places, Airports, Metros, Critical infrastructures, VIP buildings, Industries, Residential gated communities, Homes are all expected to adopt this technology and make it a part of their Standard Operating Procedures (SOPs).

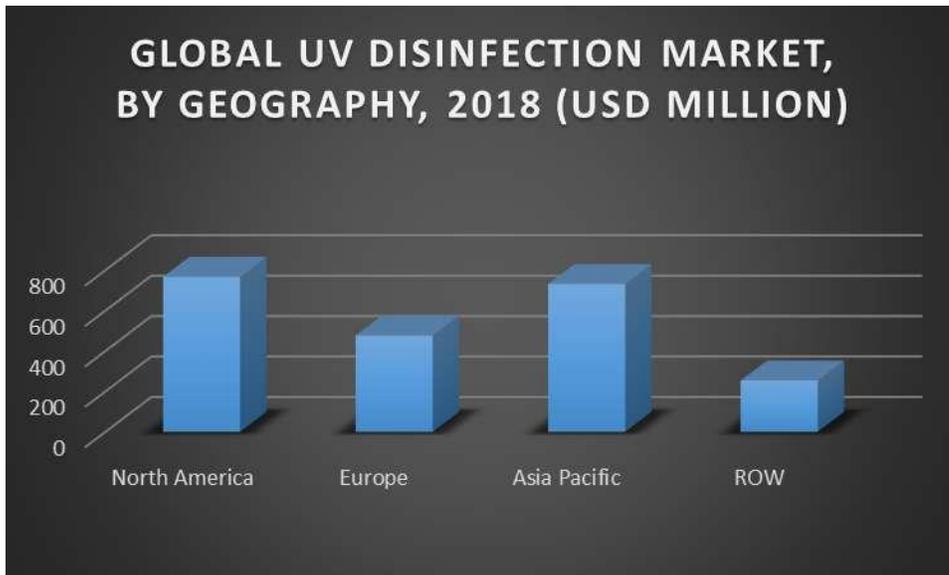
[c] Air Purification

This has created an opportunity for users to Globally, hospitals are now using UV-C lamps to disinfect the surfaces and air. The most popular demand during the COVID-19 pandemic is UV-C surface disinfection and air treatment for offices, hospitals and homes. UV Air sterilizers are helping in safe Home quarantining of Covid positive patients. Solutions based on UV technology are also being provided to counter Bio terror attacks.



Source: www.verifiedmarketresearch.com

Global UV Disinfection Equipment Market, By Region



Source: www.verifiedmarketresearch.com

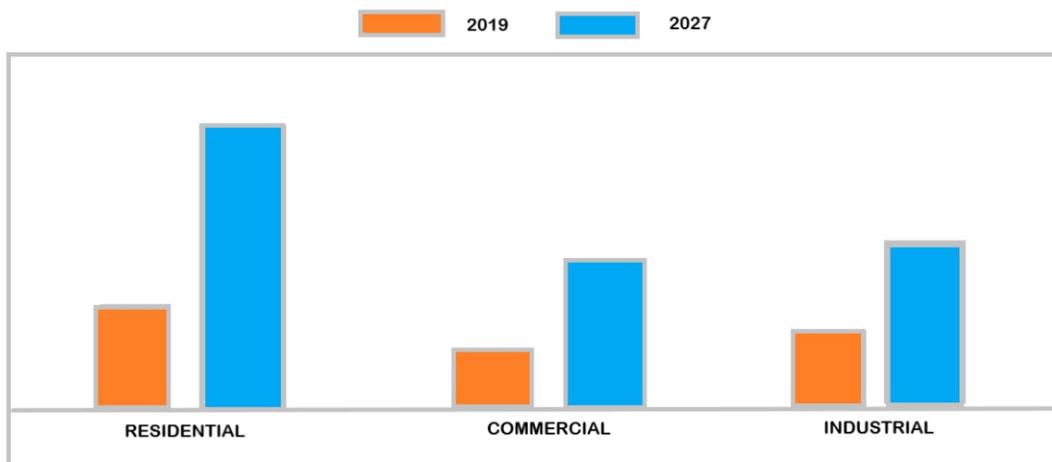
North America accounted for the major share in 2019 in the global UV disinfection equipment market, owing to rise in concerns regarding environment and health impacts of disinfection, chemical, and biological contaminants as by-products in wastewater and supply water, which are the key opportunities to drive this market in the future. In addition, market is primarily driven due to the development of new UV disinfection equipment, which is low in cost, more effective, environmentally friendly, easily operated, and has residue-free functioning. Moreover, increase in incidences of pandemic diseases such as H1N1, chronic diseases, and ageing population boosts the growth of the UV disinfection market in North America. The UV technology has almost displaced chemical treatment due to its acceptance as a disinfection method for drinking water and waste water treatment, as it is environmentally friendly and safe to use. Therefore, UV disinfection equipment market is providing a strong competition to chemical-based industries in this region. Furthermore, in 2020, the demand for UV disinfection equipment has been surged for surface disinfection application, owing to COVID-19 pandemic outbreak. The hospitals across North America especially in the U.S. are now using automated UV-C light-based surface disinfection systems instead of manual cleaning to prevent the transmission of COVID-19. This trend is being observed in other countries as well. This factor is anticipated to drive the growth of the UV disinfection equipment market during the forecast period.

Global UV Disinfection Equipment Market, By End-Use Industry

Depending on end-use industry, the market is classified into residential, commercial, and industrial.

The applications can be segregated into water treatment (municipal, residential, and commercial), wastewater treatment, air treatment (healthcare facilities, residential & commercial, and bio terror agents), food & beverage disinfection, and surface disinfection.

Residential end-use industry holds the maximum share of the UV disinfection equipment market, as can be seen below



Source: www.alliedmarketresearch.com

The residential segment accounted for the major ultraviolet disinfection equipment share in 2019 in the global UV disinfection equipment market. Rapid industrialization and urbanization across developing economies of Asia-Pacific region resulted in air and water pollution, which in turn affected the rain falls and purity of natural water resources. Furthermore, increase in demand for clean and safe drinking water, owing to rise in population and declining freshwater resources is expected to have a positive impact on UV disinfection equipment market.

In order to provide clean water to all people across the nation, the government of developing nations such as India have launched initiative like “Piped Water for All by 2024”. Due to such government initiatives, the demand for UV disinfection equipment for treatment of drinking water is expected to increase considerably.

In addition, due to COVID-19 pandemic outbreak across the globe, the demand for handheld and area UV-C surface-disinfection devices has been increased significantly to disinfect the digital surfaces that includes cell phones, computer keyboards, and remote controls & soft surfaces such as bed & pillows,

Key growth strategies of UV disinfection equipment market players:

Jumpstarting and making rapid in-roads into this market can be made possible through Acquisitions, rapid product launches, agreements, mergers, and partnerships. These are the key growth strategies of UV disinfection equipment market players.



How can Nucleonix help in jumpstarting you into this market:

[1] Knowledge transfer

Considering the exponential rise in demand for UV disinfection equipment and challenges in supply chain and logistics due to Covid pandemic, it is a wise choice for nations / major players to jump start their initiatives to manufacture these products locally and capture the market.

Nucleonix, with 3 decades of manufacturing experience and with its certified, innovative, wide range of UV disinfection products, can help jumpstart your manufacturing by providing the technology Know-how and consulting at reasonable costs. Nucleonix will transfer the proven designs, drawings, circuits, technical literature, Bill of materials, procurement details and training in the shortest time after signing the contract.

[2] Supply of finished products

Nucleonix can supply finished or semi-finished products in short delivery times to cater to the rising demands of the market at reasonable prices. Due to its wide range, Nucleonix can serve as one stop shop for all your UV disinfectant equipment needs.