

# **Impact of COVID-19 on Ultraviolet Disinfection Equipment Market: Segmented; By Component (UV Lamp, Controller Unit, Quartz Sleeve, Reactor Chamber, Others), By Application (Water Treatment, Wastewater Treatment, Air Treatment, Food & Beverage Disinfection, and Surface Disinfection), By End-user (Residential, Commercial, Industrial, and Municipal) And Region – Global Analysis of Market Size, Share & Trends For 2019–2021 And Forecasts To 2031**

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## **Abstracts**

[ 176 + Pages Research Report ] Impact of COVID-19 on Ultraviolet Disinfection Equipment Market to surpass USD 20.3 billion by 2031 from USD 5.1 billion in 2021 at a CAGR of 14.9% in the coming years, i.e., 2021-2031.

### **Product Overview**

Ultraviolet disinfection equipment means the devices that use ultraviolet light to destroy bacteria, viruses, and other harmful microorganisms. Ultraviolet disinfection is a proven and secure technology used to disinfectant the harmful living organisms generally found in water, food, air, beverages, and wastewater. A major advantage of UV disinfection is that the process is chemical-free and relatively faster than chlorine. UV disinfection is generally used in air purification, water purification, and many other disinfection and sterilization applications.

### **Market Highlights**

The global Ultraviolet Disinfection Equipment market is expected to project a notable CAGR of 14.9% in 2031.

Ultraviolet Disinfection Equipment is universally used in industries like hotels, hospitals, labs, pharmacies, and others where the chances of such harmful living organisms are very high. The global market for ultraviolet disinfectants is expected to witness a steady rise due to the increasing demand for infectious disease control in hospitals and clinics. The demand is also driven by an increase in awareness about the benefits of UV disinfection.

#### Global Ultraviolet Disinfection Equipment: Segments

UV Lamps segment to grow with the highest CAGR during 2021-31

Based on Component, the global Ultraviolet Disinfection Equipment Market is fragmented into UV Lamp, Controller Unit, Quartz Sleeve, Reactor Chamber, Others. The UV lamps segment is expected to witness a steady rise due to the increasing demand for UVC LEDs in UV disinfection equipment. The prices of UV disinfection equipment have decreased due to the advanced lamp and device designs, which have surged competition among manufacturers. The major factor contributing to the growth of this segment is the growing popularity of cost-effective and secure disinfectant technologies and rising awareness about hygiene and the necessity to stay healthy.

A municipal segment to grow with the highest CAGR during 2021-2031

The global Ultraviolet Disinfection Equipment market is classified based on End Users into Residential, Commercial, Industrial, and Municipal. The Municipal segment is expected to witness a steady rise during the forecast period, due to the problems associated with water scarcity, using UV system wastewater to turn into water that can be reused for secondary purposes, such as gardening. Furthermore, the increasing regulations for clean and safe water and growing activities about the recycling of wastewater across the globe are likely to drive the growth of the market during the forecast period. In areas with dense populations to fulfill the demand for drinking water municipal corporations are moving toward UV-treated water.

#### Market Dynamics

##### Drivers

Rising demand for ultra-pure water

The contaminants in drinking water transmit diseases such as diarrhea, cholera, dysentery, typhoid, and polio. The rising prevalence of water-borne diseases especially in developing countries increases the demand for extremely pure water, and the growing adoption of UV disinfection equipment for water and wastewater treatment globally is expected to create a huge demand for ultraviolet disinfection equipment.

Growing awareness about health risks of conventional chemical-based disinfectants

UV disinfection equipment takes very little time as compared to chlorine-based disinfectants. Factors such as UV disinfection equipment are extremely cost-efficient, easy to install, and has very low maintenance expected to continue pushing sales in the forthcoming years. COVID-19 pandemic outbreak rises the demand for surface disinfection and air treatment, which is expected to drive the market for UV disinfection equipment shortly.

Restraint

Low cost of conventional disinfectants as compared to UV disinfection systems

Chlorine has been commonly used to treat wastewater disinfection. Even when chlorine has been criticized due to its harmful effects on health and the environment. In developing countries, chlorine is still being used due to its low cost.

Global Ultraviolet Disinfection Equipment Market: Key Players

Xylem

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Trojan Technologies

Halma PLC

Calgon Carbon Corporation

Atlantic Ultraviolet Corporation

Evoqua Water Technologies LLC

Advanced UV, Inc.

American Ultraviolet

Atlantium Technologies LTD.

Dr. Honle AG

Lumalier Corporation

Xenex

## EN AQUA

Severn Trent Plc

Hitech Ultraviolet Pvt. Ltd.

Other Prominent Players

Global Healthcare Virtual Assistants: Regions

The global Ultraviolet Disinfection Equipment market is segmented based on regional analysis into five major regions: North America, Latin America, Europe, Asia Pacific, the Middle East, and Africa. Asia-Pacific is expected to dominate the market during the forecast period. The rising demand for Ultraviolet Disinfection Equipment in the region can be greatly attributed to reasons such as increasing population and industrial growth with stringent environmental norms, resultantly fueling the growth of the APAC Ultraviolet Disinfection Equipment market.

## Impact of Covid-19 on Ultraviolet Disinfection Equipment Market

COVID-19 has had a positive impact on the Ultraviolet Disinfection Equipment market, due to the ongoing pandemic, the whole world has shifted towards a healthier and safer lifestyle. Many products are launched in the market which is having U.V. disinfectants that can disable living microorganisms in air, water, or surfaces and prevent disease spread.

Global Ultraviolet Disinfection Equipment is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – the United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

the Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Global Ultraviolet Disinfection Equipment report also contains analysis on:

Ultraviolet Disinfection Equipment Segments:

By Component

UV Lamp  
Controller Unit  
Quartz Sleeve  
Reactor Chamber  
Others  
By Application  
Water Treatment  
Wastewater Treatment  
Air Treatment  
Food & Beverage Disinfection  
Surface Disinfection  
By End-user  
Residential  
Commercial  
Industrial  
Municipal  
Ultraviolet Disinfection Equipment Dynamics  
Ultraviolet Disinfection Equipment Size  
Supply & Demand  
Current Trends/Issues/Challenges  
Competition & Companies Involved in the Market  
Value Chain of the Market  
Market Drivers and Restraints  
Ultraviolet Disinfection Equipment Market Report Scope and Segmentation  
Report Attribute Details  
The market size value in 2021 USD 5.1 billion  
The revenue forecast in 2031 USD 20.3 billion  
Growth Rate CAGR of 14.9% from 2021 to 2031  
The base year for estimation 2020  
Quantitative units

Revenue in USD million and CAGR from 2021 to 2030  
Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends  
Segments covered Component, Application, End-user and Region  
Regional scope North America, Europe, Asia Pacific, Latin America, Middle East & Africa (MEA)  
Key companies profiled Trojan Technologies, Halma PLC, Advanced UV, Inc., American Ultraviolet, Atlantium Technologies LTD., Dr. Honle AG, Lumalier

Corporation, Xenex, ENAQUA, Severn Trent Plc, Hitech Ultraviolet Pvt. Ltd and Other Prominent Players.

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**\*\*The above given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

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