

# **Ultraviolet (UV) Disinfection Equipment Market by End-Use Industry (Residential, Commercial, and Industrial), Component (UV Lamp, Controller Unit, Quartz Sleeve, Reactor Chamber, and Others), Application (Water Treatment, Wastewater Treatment, Air Treatment, Food & Beverage Disinfection, and Surface Disinfection), and Marketing Channel (Direct Marketing and Indirect Marketing): Global Opportunity Analysis and Industry Forecast, 2020–2027**

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## **Abstracts**

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

Ultraviolet disinfection means killing or rendering harmful microorganisms in a dedicated environment. These microorganisms can range from bacteria and viruses to algae and protozoa. UV disinfection is used in air and water purification, sewage treatment, protection of food and beverages, and many other disinfection and sterilization applications. A major advantage of UV disinfection equipment is that it is capable of disinfecting water faster than chlorine without cumbersome retention tanks and harmful chemicals. UV disinfection equipment are also extremely cost efficient.

Awareness among consumers and governments about health hazards of conventional chemical-based disinfectants is the key driver for the market. In addition, time taken by UV disinfection equipment for a water tank is 10 seconds compared to chlorine-based disinfectant which takes 20 seconds for complete treatment of a water tank. Moreover,

fast action, easy installation, low maintenance, and lower operating cost are anticipated to drive the growth of the market. This equipment is also preferable due to their environmentally friendly functioning. Rise in growth of healthcare and chemical industries is anticipated to provide growth opportunities for the UV disinfection equipment market. In addition, growing demand for UV-C led lamps for surface disinfection and air treatment amid COVID-19 pandemic outbreak is expected to drive the growth of the market.

However, factors such as low cost of conventional disinfectants as compared to UV lights are expected to hinder the growth of this market. In addition, Rise in growth of healthcare and chemical industry and growing adoption of far-UVC lamps for surface disinfection and air treatment is anticipated to provide lucrative opportunities in ultraviolet disinfection equipment market.

This market is segmented into end use industry, application, component, marketing channel, and region. Depending on end-use industry, it is classified into residential, commercial, and industrial. As per application, it is 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. Based on component, it classified into UV lamp, quartz sleeve, controller unit, reactor chamber, and others. Depending on marketing channel, it is divided into direct marketing and indirect marketing. Region wise, it is analyzed across North America (the U.S., Canada, and Mexico), Europe (Germany, France, Italy, Spain, the UK, and rest of Europe), Asia-Pacific (China, India, Japan, South Korea, Australia, and rest of Asia-Pacific), and LAMEA (Brazil, South Africa, Saudi Arabia, and rest of LAMEA).

The major key players operating in the UV disinfection equipment industry include Halma Plc, Xylem Inc, Danaher Corporation, Kuraray Co. Ltd., Severn Trent Plc, Koninklijke Philips N.V., Australian Ultra Violet Services Pty. Ltd., American Ultraviolet, Xenex and Atlantic Ultraviolet Corporation. Other players operating in this market include UV-Technik, Ceasa, Lit Company, Alfaa UV, and Hitech Ultraviolet.

#### Covid-19 Analysis:

The demand for UV disinfection equipment from the food and beverages industry is expected to surge during the COVID-19 outbreak for liquid sweetener disinfection, chlorine and ozone destruction, and surface disinfection.

The demand for UV disinfection system from the healthcare industry is expected to surge during the pandemic due to growing need for surface disinfection in hospitals.

The demand for UV disinfection equipment from commercial institutions is expected to surge post lockdown imposed due to COVID-19 pandemic outbreak. This is due to implementation of hygienic practices at offices and adoption of UV disinfection systems for surface sterilization.

## KEY BENEFITS FOR STAKEHOLDERS

Porter's five forces analysis helps analyze the potential of buyers & suppliers and the competitive scenario of the industry for strategy building.

It outlines the current trends and future scenario of the market from 2019 to 2027 to understand the prevailing opportunities and potential investment pockets.

Major countries in the region have been mapped according to their individual revenue contribution to the regional market.

The key drivers, restraints, and opportunities and their detailed impact analysis are elucidated in the study.

The profiles of key players along with their key strategic developments are enlisted in the report.

## KEY MARKET SEGMENTS

By End-Use Industry

Residential

Commercial

Industrial

By Component

UV Lamp

Controller Unit

Quartz Sleeve

Reactor Chamber

Others

By Application

Water Treatment

    Municipality Water Treatment

    Residential Water Treatment

    Commercial Water Treatment

Waste Water Treatment

Air Treatment

    Health Facilities

    Residential and Commercial

    Bio-Terror agents

Food & Beverage Disinfection

Surface Disinfection

By Marketing Channel

Direct Marketing

Indirect Marketing

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

South Korea

India

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Primary research
  - 1.4.2. Secondary research
  - 1.4.3. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. Key findings of the study
- 2.2. Key findings
  - 2.2.1. Top investment pockets
  - 2.2.2. Top player positioning
- 2.3. CXO perspective
- 2.4. Top winning strategies
  - 2.4.1. Top winning strategies, by year
  - 2.4.2. Top winning strategies, by development
  - 2.4.3. Top winning strategies, by company

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
  - 3.1.1. Parent market overview
- 3.2. Key forces shaping the UV disinfection equipment market
- 3.3. Value chain analysis
- 3.4. Impact of government regulations on the UV disinfection equipment market
  - 3.4.1. Residential UV regulations
  - 3.4.2. Commercial & industrial UV regulations
  - 3.4.3. Municipal UV regulations
- 3.5. Impact of COVID-19 on the UV disinfection equipment market
- 3.6. Patent analysis
  - 3.6.1. By applicant (2013-2019)
- 3.7. Market dynamics
  - 3.7.1. Drivers

- 3.7.1.1. Cost-effectivity compared to other disinfection methods
- 3.7.1.2. New government initiatives
- 3.7.1.3. Rise in concerns in emerging nations regarding safe drinking water
- 3.7.1.4. Environmentally suitable disinfection system
- 3.7.1.5. Advent of UV LED saves energy
- 3.7.1.6. Growth in demand for UV-C LED for surface disinfection and air treatment during the COVID-19 pandemic
- 3.7.2. Restraints
  - 3.7.2.1. Cost of conventional disinfectants is low compared to UV lights
  - 3.7.2.2. Lack of residual ability of UV disinfection equipment
- 3.7.3. Opportunity
  - 3.7.3.1. Healthcare and chemical industries offer growth opportunities in air treatment applications
  - 3.7.3.2. Millennium development goals of the UN

## **CHAPTER 4: ULTRAVIOLET (UV) DISINFECTION EQUIPMENT MARKET, BY END-USE INDUSTRY**

- 4.1. Overview
  - 4.1.1. Market size and forecast
- 4.2. Residential
  - 4.2.1. Key market trends, growth factors, and opportunities
  - 4.2.2. Market size and forecast, by region
  - 4.2.3. Market analysis, by country
- 4.3. Commercial
  - 4.3.1. Key market trends, growth factors, and opportunities
  - 4.3.2. Market size and forecast, by region
  - 4.3.3. Market analysis, by country
- 4.4. Industrial
  - 4.4.1. Key market trends, growth factors, and opportunities
  - 4.4.2. Market size and forecast, by region
  - 4.4.3. Market analysis, by country

## **CHAPTER 5: ULTRAVIOLET (UV) DISINFECTION EQUIPMENT MARKET, BY COMPONENT**

- 5.1. Overview
  - 5.1.1. Market size and forecast
- 5.2. UV Lamp



- 5.2.1.Key market trends, growth factors, and opportunities
- 5.2.2.Market size and forecast, by region
- 5.2.3.Market analysis, by country
- 5.3.Controller Unit
  - 5.3.1.Key market trends, growth factors, and opportunities
  - 5.3.2.Market size and forecast, by region
  - 5.3.3.Market analysis, by country
- 5.4.Quartz Sleeve
  - 5.4.1.Key market trends, growth factors, and opportunities
  - 5.4.2.Market size and forecast, by region
  - 5.4.3.Market analysis, by country
- 5.5.Reactor Chamber
  - 5.5.1.Key market trends, growth factors, and opportunities
  - 5.5.2.Market size and forecast, by region
  - 5.5.3.Market analysis, by country
- 5.6.Others
  - 5.6.1.Key market trends, growth factors, and opportunities
  - 5.6.2.Market size and forecast, by region
  - 5.6.3.Market analysis, by country

## **CHAPTER 6: ULTRAVIOLET (UV) DISINFECTION EQUIPMENT MARKET, BY MAKETING CHANNEL**

- 6.1.Overview
  - 6.1.1.Market size and forecast
- 6.2.Direct Marketing
  - 6.2.1.Key market trends, growth factors, and opportunities
  - 6.2.2.Market size and forecast, by region
  - 6.2.3.Market analysis, by country
- 6.3.Indirect Marketing
  - 6.3.1.Key market trends, growth factors, and opportunities
  - 6.3.2.Market size and forecast, by region
  - 6.3.3.Market analysis, by country

## **CHAPTER 7: ULTRAVIOLET (UV) DISINFECTION EQUIPMENT MARKET, BY APPLICATION**

- 7.1.Overview
  - 7.1.1.Market size and forecast

## 7.2. Water Treatment

7.2.1. Key market trends, growth factors, and opportunities

7.2.2. Market size and forecast, by region

7.2.3. Market analysis, by country

7.2.3.1. Municipal water treatment

7.2.3.2. Residential water treatment

7.2.3.3. Commercial water treatment

7.2.3.4. Market size and forecast, by type

## 7.3. Wastewater Treatment

7.3.1. Key market trends, growth factors, and opportunities

7.3.2. Market size and forecast, by region

7.3.3. Market analysis, by country

## 7.4. Air Treatment

7.4.1. Key market trends, growth factors, and opportunities

7.4.2. Market size and forecast, by region

7.4.3. Market analysis, by country

7.4.3.1. Healthcare facilities

7.4.3.2. Residential and commercial

7.4.3.3. Bio terror agents

7.4.3.4. Market size and forecast, by type

## 7.5. Food & Beverage Disinfection

7.5.1. Key market trends, growth factors, and opportunities

7.5.2. Market size and forecast, by region

7.5.3. Market analysis, by country

## 7.6. Surface Disinfection

7.6.1. Key market trends, growth factors, and opportunities

7.6.2. Market size and forecast, by region

7.6.3. Market analysis, by country

## **CHAPTER 8: UV DISINFECTION EQUIPMENT MARKET, BY REGION**

### 8.1. Overview

8.1.1. Market size and forecast

### 8.2. North America

8.2.1. Key market trends, growth factors, and opportunities

8.2.2. Market size and forecast, by end-use industry

8.2.3. Market size and forecast, by component

8.2.4. Market size and forecast, by application

8.2.5. Market size and forecast, by marketing channel

## 8.2.6. Market share analysis, by country

### 8.2.7. U.S.

8.2.7.1. Market size and forecast, by end-use industry

8.2.7.2. Market size and forecast, by component

8.2.7.3. Market size and forecast, by application

8.2.7.4. Market size and forecast, by marketing channel

### 8.2.8. Canada

8.2.8.1. Market size and forecast, by end-use industry

8.2.8.2. Market size and forecast, by component

8.2.8.3. Market size and forecast, by application

8.2.8.4. Market size and forecast, by marketing channel

### 8.2.9. Mexico

8.2.9.1. Market size and forecast, by end-use industry

8.2.9.2. Market size and forecast, by component

8.2.9.3. Market size and forecast, by application

8.2.9.4. Market size and forecast, by marketing channel

## 8.3. Europe

8.3.1. Key market trends, growth factors, and opportunities

8.3.2. Market size and forecast, by end-use industry

8.3.3. Market size and forecast, by component

8.3.4. Market size and forecast, by application

8.3.5. Market size and forecast, by marketing channel

8.3.6. Market share analysis, by country

### 8.3.7. Germany

8.3.7.1. Market size and forecast, by end-use industry

8.3.7.2. Market size and forecast, by component

8.3.7.3. Market size and forecast, by application

8.3.7.4. Market size and forecast, by marketing channel

### 8.3.8. France

8.3.8.1. Market size and forecast, by end-use industry

8.3.8.2. Market size and forecast, by component

8.3.8.3. Market size and forecast, by application

8.3.8.4. Market size and forecast, by marketing channel

### 8.3.9. Italy

8.3.9.1. Market size and forecast, by end-use industry

8.3.9.2. Market size and forecast, by component

8.3.9.3. Market size and forecast, by application

8.3.9.4. Market size and forecast, by marketing channel

### 8.3.10. Spain

- 8.3.10.1. Market size and forecast, by end-use industry
- 8.3.10.2. Market size and forecast, by component
- 8.3.10.3. Market size and forecast, by application
- 8.3.10.4. Market size and forecast, by marketing channel
- 8.3.11. UK
  - 8.3.11.1. Market size and forecast, by end-use industry
  - 8.3.11.2. Market size and forecast, by component
  - 8.3.11.3. Market size and forecast, by application
  - 8.3.11.4. Market size and forecast, by marketing channel
- 8.3.12. Rest of Europe
  - 8.3.12.1. Market size and forecast, by end-use industry
  - 8.3.12.2. Market size and forecast, by component
  - 8.3.12.3. Market size and forecast, by application
  - 8.3.12.4. Market size and forecast, by marketing channel
- 8.4. Asia-Pacific
  - 8.4.1. Key market trends, growth factors, and opportunities
  - 8.4.2. Market size and forecast, by end-use industry
  - 8.4.3. Market size and forecast, by component
  - 8.4.4. Market size and forecast, by application
  - 8.4.5. Market size and forecast, by marketing channel
  - 8.4.6. Market share analysis, by country
  - 8.4.7. China
    - 8.4.7.1. Market size and forecast, by end-use industry
    - 8.4.7.2. Market size and forecast, by component
    - 8.4.7.3. Market size and forecast, by application
    - 8.4.7.4. Market size and forecast, by marketing channel
  - 8.4.8. Japan
    - 8.4.8.1. Market size and forecast, by end-use industry
    - 8.4.8.2. Market size and forecast, by component
    - 8.4.8.3. Market size and forecast, by application
    - 8.4.8.4. Market size and forecast, by marketing channel
  - 8.4.9. South Korea
    - 8.4.9.1. Market size and forecast, by end-use industry
    - 8.4.9.2. Market size and forecast, by component
    - 8.4.9.3. Market size and forecast, by application
    - 8.4.9.4. Market size and forecast, by marketing channel
  - 8.4.10. India
    - 8.4.10.1. Market size and forecast, by end-use industry
    - 8.4.10.2. Market size and forecast, by component

- 8.4.10.3. Market size and forecast, by application
- 8.4.10.4. Market size and forecast, by marketing channel
- 8.4.11. Australia
  - 8.4.11.1. Market size and forecast, by end-use industry
  - 8.4.11.2. Market size and forecast, by component
  - 8.4.11.3. Market size and forecast, by application
  - 8.4.11.4. Market size and forecast, by marketing channel
- 8.4.12. Rest of Asia-Pacific
  - 8.4.12.1. Market size and forecast, by end-use industry
  - 8.4.12.2. Market size and forecast, by component
  - 8.4.12.3. Market size and forecast, by application
  - 8.4.12.4. Market size and forecast, by marketing channel
- 8.5. LAMEA
  - 8.5.1. Key market trends, growth factors, and opportunities
  - 8.5.2. Market size and forecast, by end-use industry
  - 8.5.3. Market size and forecast, by component
  - 8.5.4. Market size and forecast, by application
  - 8.5.5. Market size and forecast, by marketing channel
  - 8.5.6. Market share analysis, by country
  - 8.5.7. Brazil
    - 8.5.7.1. Market size and forecast, by end-use industry
    - 8.5.7.2. Market size and forecast, by component
    - 8.5.7.3. Market size and forecast, by application
    - 8.5.7.4. Market size and forecast, by marketing channel
  - 8.5.8. Saudi Arabia
    - 8.5.8.1. Market size and forecast, by end-use industry
    - 8.5.8.2. Market size and forecast, by component
    - 8.5.8.3. Market size and forecast, by application
    - 8.5.8.4. Market size and forecast, by marketing channel
  - 8.5.9. South Africa
    - 8.5.9.1. Market size and forecast, by end-use industry
    - 8.5.9.2. Market size and forecast, by component
    - 8.5.9.3. Market size and forecast, by application
    - 8.5.9.4. Market size and forecast, by marketing channel
  - 8.5.10. Rest of LAMEA
    - 8.5.10.1. Market size and forecast, by end-use industry
    - 8.5.10.2. Market size and forecast, by component
    - 8.5.10.3. Market size and forecast, by application
    - 8.5.10.4. Market size and forecast, by marketing channel

## **CHAPTER 9: COMPANY PROFILES**

### **9.1.AMERICAN ULTRAVIOLET**

#### 9.1.1.Company overview

##### 9.1.1.1.Introduction

##### 9.1.1.2.Product Briefing

#### 9.1.2.Company snapshot

### **9.2.ATLANTIC ULTRAVIOLET CORPORATION**

#### 9.2.1.Company overview

##### 9.2.1.1.Introduction

#### 9.2.2.Company snapshot

#### 9.2.3.Product portfolio

### **9.3.AUSTRALIAN ULTRA VIOLET SERVICES PTY. LTD.**

#### 9.3.1.Company overview

##### 9.3.1.1.Introduction

#### 9.3.2.Company snapshot

#### 9.3.3.Product portfolio

### **9.4.DANAHER CORPORATION**

#### 9.4.1.Company overview

##### 9.4.1.1.Introduction

##### 9.4.1.2.Production Capacity

##### 9.4.1.3.Price

##### 9.4.1.4.Gross Margin

##### 9.4.1.5.Product Briefing

#### 9.4.2.Company snapshot

#### 9.4.3.Operating business segments

#### 9.4.4.Business performance

### **9.5.HALMA PLC**

#### 9.5.1.Company overview

##### 9.5.1.1.Introduction

##### 9.5.1.2.Production Capacity

##### 9.5.1.3.Price

##### 9.5.1.4.Gross Margin

##### 9.5.1.5.Product Briefing

#### 9.5.2.Company snapshot

#### 9.5.3.Operating business segments

#### 9.5.4.Business performance

#### 9.5.5.Key strategic moves and developments

## 9.6.KONINKLIJKE PHILIPS N.V.

### 9.6.1.Company overview

#### 9.6.1.1.Introduction

#### 9.6.1.2.Gross Margin

#### 9.6.1.3.Product Briefing

### 9.6.2.Company snapshot

### 9.6.3.Operating business segments

### 9.6.4.Business performance

## 9.7.KURARAY CO. LTD.

### 9.7.1.Company overview

#### 9.7.1.1.Introduction

#### 9.7.1.2.Production Capacity

#### 9.7.1.3.Price

#### 9.7.1.4.Gross Margin

#### 9.7.1.5.Product Briefing

### 9.7.2.Company snapshot

### 9.7.3.Operating business segments

### 9.7.4.Business performance

### 9.7.5.Key strategic moves and developments

## 9.8.LIT COMPANY

### 9.8.1.Company overview

#### 9.8.1.1.Introduction

#### 9.8.1.2.Product Briefing

### 9.8.2.Company snapshot

## 9.9.SEVERN TRENT PLC

### 9.9.1.Company overview

#### 9.9.1.1.Introduction

#### 9.9.1.2.Production Capacity

#### 9.9.1.3.Price

#### 9.9.1.4.Gross Margin

#### 9.9.1.5.Product Briefing

### 9.9.2.Company snapshot

### 9.9.3.Operating business segments

### 9.9.4.Business performance

## 9.10.STERIS PLC

### 9.10.1.Company overview

#### 9.10.1.1.Introduction

#### 9.10.1.2.Product briefing

### 9.10.2.Company snapshot

- 9.10.3.Operating business segments
- 9.10.4.Business performance
- 9.11.XENEX
  - 9.11.1.Company overview
    - 9.11.1.1.Introduction
    - 9.11.1.2.Product Briefing
  - 9.11.2.Company snapshot
  - 9.11.3.Key strategic moves and developments
- 9.12.XYLEM INC.
  - 9.12.1.Company overview
    - 9.12.1.1.Introduction
    - 9.12.1.2.Production Capacity
    - 9.12.1.3.Price
    - 9.12.1.4.Gross Margin
    - 9.12.1.5.Product Briefing
  - 9.12.2.Company snapshot
  - 9.12.3.Operating business segments
  - 9.12.4.Business performance
  - 9.12.5.Key strategic moves and developments



## List Of Tables

### LIST OF TABLES

TABLE 01.UV DOSAGE REQUIREMENT

TABLE 02.GLOBAL ULTRAVIOLET DISINFECTION EQUIPMENT MARKET, BY END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 03.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR RESIDENTIAL, BY REGION 2019–2027 (\$MILLION)

TABLE 04.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR COMMERCIAL, BY REGION 2019–2027 (\$MILLION)

TABLE 05.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR INDUSTRIAL, BY REGION 2019–2027 (\$MILLION)

TABLE 06.GLOBAL ULTRAVIOLET DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 07.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR UV LAMP, BY REGION 2019–2027 (\$MILLION)

TABLE 08.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR CONTROLLER UNIT, BY REGION 2019–2027 (\$MILLION)

TABLE 09.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR QUARTZ SLEEVE, BY REGION 2019–2027 (\$MILLION)

TABLE 10.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR REACTOR CHAMBER, BY REGION 2019–2027 (\$MILLION)

TABLE 11.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR OTHERS, BY REGION 2019–2027 (\$MILLION)

TABLE 12.GLOBAL ULTRAVIOLET DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 13.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR DIRECT MARKETING, BY REGION 2019–2027 (\$MILLION)

TABLE 14.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR INDIRECT MARKETING, BY REGION 2019–2027 (\$MILLION)

TABLE 15.GLOBAL ULTRAVIOLET DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 16.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR WATER TREATMENT, BY REGION 2019–2027 (\$MILLION)

TABLE 17.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR WATER TREATMENT, BY TYPE 2019–2027 (\$MILLION)

TABLE 18.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR WASTEWATER TREATMENT, BY REGION 2019–2027 (\$MILLION)

TABLE 19.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR AIR TREATMENT, BY REGION 2019–2027 (\$MILLION)

TABLE 20.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR AIR TREATMENT, BY TYPE 2019–2027 (\$MILLION)

TABLE 21.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR FOOD & BEVERAGE, BY REGION 2019–2027 (\$MILLION)

TABLE 22.ULTRAVIOLET DISINFECTION EQUIPMENT MARKET FOR SURFACE DISINFECTION, BY REGION 2019–2027 (\$MILLION)

TABLE 23.UV DISINFECTION EQUIPMENT MARKET, BY REGION, 2019–2027 (\$MILLION)

TABLE 24.NORTH AMERICA UV DISINFECTION EQUIPMENT MARKET, BY END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 25.NORTH AMERICA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 26.NORTH AMERICA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 27.NORTH AMERICA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 28.NORTH AMERICA UV DISINFECTION EQUIPMENT MARKET, BY COUNTRY, 2019–2027 (\$MILLION)

TABLE 29.U.S. UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 30.U.S. UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 31.U.S. UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 32.U.S. UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 33.CANADA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 34.CANADA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 35.CANADA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 36.CANADA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 37.MEXICO UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 38.MEXICO UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT,

2019–2027 (\$MILLION)

TABLE 39.MEXICO UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 40.MEXICO UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 41.EUROPE UV DISINFECTION EQUIPMENT MARKET, BY END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 42.EUROPE UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 43.EUROPE UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 44.EUROPE UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 45.EUROPE UV DISINFECTION EQUIPMENT MARKET, BY COUNTRY, 2019–2027 (\$MILLION)

TABLE 46.GERMANY UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 47.GERMANY UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 48.GERMANY UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 49.GERMANY UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 50.FRANCE UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 51.FRANCE UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 52.FRANCE UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 53.FRANCE UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 54.ITALY UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 55.ITALY UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 56.ITALY UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 57.ITALY UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 58.SPAIN UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 59.SPAIN UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 60.SPAIN UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 61.SPAIN UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 62.UK UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 63.UK UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 64.UK UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 65.UK UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 66.REST OF EUROPE UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 67.REST OF EUROPE UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 68.REST OF EUROPE UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 69.REST OF EUROPE UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 70.ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 71.ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 72.ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 73.ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 74.ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY COUNTRY, 2019–2027 (\$MILLION)

TABLE 75.CHINA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 76.CHINA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 77.CHINA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION,

2019–2027 (\$MILLION)

TABLE 78.CHINA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 79.JAPAN UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 80.JAPAN UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 81.JAPAN UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 82.JAPAN UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 83.SOUTH KOREA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 84.SOUTH KOREA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 85.SOUTH KOREA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 86.SOUTH KOREA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 87.INDIA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 88.INDIA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 89.INDIA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 90.INDIA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 91.AUSTRALIA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 92.AUSTRALIA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 93.AUSTRALIA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 94.AUSTRALIA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 95.REST OF ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 96.REST OF ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 97.REST OF ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 98.REST OF ASIA-PACIFIC UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 99.LAMEA UV DISINFECTION EQUIPMENT MARKET, BY END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 100.LAMEA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 101.LAMEA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 102.LAMEA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 103.LAMEA UV DISINFECTION EQUIPMENT MARKET, BY COUNTRY, 2019–2027 (\$MILLION)

TABLE 104.BRAZIL UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 105.BRAZIL UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 106.BRAZIL UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 107.BRAZIL UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 108.SAUDI ARABIA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 109.SAUDI ARABIA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 110.SAUDI ARABIA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 111.SAUDI ARABIA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 112.SOUTH AFRICA UV DISINFECTION EQUIPMENT MARKET, END-USE INDUSTRY, 2019–2027 (\$MILLION)

TABLE 113.SOUTH AFRICA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 114.SOUTH AFRICA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 115.SOUTH AFRICA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 116.REST OF LAMEA UV DISINFECTION EQUIPMENT MARKET, END-USE

INDUSTRY, 2019–2027 (\$MILLION)

TABLE 117.REST OF LAMEA UV DISINFECTION EQUIPMENT MARKET, BY COMPONENT, 2019–2027 (\$MILLION)

TABLE 118.REST OF LAMEA UV DISINFECTION EQUIPMENT MARKET, BY APPLICATION, 2019–2027 (\$MILLION)

TABLE 119.REST OF LAMEA UV DISINFECTION EQUIPMENT MARKET, BY MARKETING CHANNEL, 2019–2027 (\$MILLION)

TABLE 120.AMERICAN ULTRAVIOLET: PRODUCT BRIEFING

TABLE 121.AMERICAN ULTRAVIOLET: COMPANY SNAPSHOT

TABLE 122.ATLANTIC ULTRAVIOLET CORPORATION: COMPANY SNAPSHOT

TABLE 123.ATLANTIC ULTRAVIOLET CORPORATION: PRODUCT PORTFOLIO

TABLE 124.AUSTRALIAN ULTRA VIOLET SERVICES PTY. LTD.: COMPANY SNAPSHOT

TABLE 125.AUSTRALIAN ULTRA VIOLET SERVICES PTY. LTD.: PRODUCT PORTFOLIO

TABLE 126.DANAHER CORPORATION: PRODUCTION CAPACITY, 2019

TABLE 127.DANAHER CORPORATION: PRICE, 2019

TABLE 128.DANAHER CORPORATION: GROSS MARGIN (%)

TABLE 129.DANAHER CORPORATION: PRODUCT BRIEFING

TABLE 130.DANAHER CORPORATION: COMPANY SNAPSHOT

TABLE 131.DANAHER CORPORATION: OPERATING SEGMENTS

TABLE 132.DANAHER CORPORATION: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 133.HALMA PLC: PRODUCTION CAPACITY, 2019

TABLE 134.HALMA PLC: PRICE, 2019

TABLE 135.HALMA PLC: GROSS MARGIN (%)

TABLE 136.HALMA PLC: PRODUCT BRIEFING

TABLE 137.HALMA PLC: COMPANY SNAPSHOT

TABLE 138.HALMA PLC: OPERATING SEGMENTS

TABLE 139.HALMA PLC: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 140.HALMA PLC: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 141.KONINKLIJKE PHILIPS N.V.: GROSS MARGIN (%)

TABLE 142.KONINKLIJKE PHILIPS N.V.: PRODUCT BRIEFING

TABLE 143.KONINKLIJKE PHILIPS N.V.: COMPANY SNAPSHOT

TABLE 144.KONINKLIJKE PHILIPS N.V.: OPERATING SEGMENTS

TABLE 145.KONINKLIJKE PHILIPS N.V.: OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 146.KURARAY: PRODUCTION CAPACITY, 2019

TABLE 147.KURARAY: PRICE, 2019

TABLE 148.KURARAY: GROSS MARGIN (%)

TABLE 149.KURARAY: PRODUCT BRIEFING

TABLE 150.KURARAY: COMPANY SNAPSHOT  
TABLE 151.KURARAY: OPERATING SEGMENTS  
TABLE 152.KURARAY: OVERALL FINANCIAL STATUS (\$MILLION)  
TABLE 153.KURARAY: KEY STRATEGIC MOVES AND DEVELOPMENTS  
TABLE 154.LIT COMPANY: PRODUCT BRIEFING  
TABLE 155.LIT COMPANY: COMPANY SNAPSHOT  
TABLE 156.SEVERN TRENT PLC: PRODUCTION CAPACITY, 2019  
TABLE 157.SEVERN TRENT PLC: PRICE, 2019  
TABLE 158.SEVERN TRENT PLC: GROSS MARGIN (%)  
TABLE 159.SEVERN TRENT PLC: PRODUCT BRIEFING  
TABLE 160.SEVERN TRENT PLC: COMPANY SNAPSHOT  
TABLE 161.SEVERN TRENT PLC: OPERATING SEGMENTS  
TABLE 162.SEVERN TRENT PLC: OVERALL FINANCIAL STATUS (\$MILLION)  
TABLE 163.STERIS PLC: PRODUCT BRIEFING  
TABLE 164.STERIS PLC: COMPANY SNAPSHOT  
TABLE 165.STERIS PLC: OPERATING SEGMENTS  
TABLE 166.STERIS PLC: OVERALL FINANCIAL STATUS (\$MILLION)  
TABLE 167.XENEX: PRODUCT BRIEFING  
TABLE 168.XENEX: COMPANY SNAPSHOT  
TABLE 169.XENEX: KEY STRATEGIC MOVES AND DEVELOPMENTS  
TABLE 170.XYLEM: PRODUCTION CAPACITY, 2019  
TABLE 171.XYLEM: PRICE, 2019  
TABLE 172.XYLEM: GROSS MARGIN (%)  
TABLE 173.XYLEM: PRODUCT BRIEFING  
TABLE 174.XYLEM: COMPANY SNAPSHOT  
TABLE 175.XYLEM: OPERATING SEGMENTS  
TABLE 176.XYLEM: OVERALL FINANCIAL STATUS (\$MILLION)  
TABLE 177.XYLEM: KEY STRATEGIC MOVES AND DEVELOPMENTS



## List Of Figures

### LIST OF FIGURES

FIGURE 01.KEY MARKET SEGMENTS

FIGURE 02.EXECUTIVE SUMMARY

FIGURE 03.TOP INVESTMENT POCKETS, BY COUNTRY, 2019

FIGURE 04.TOP PLAYER POSITIONING, 2019

FIGURE 05.TOP WINNING STRATEGIES, BY YEAR, 2017–2019

FIGURE 06.TOP WINNING STRATEGIES, BY DEVELOPMENT, 2017–2019 (%)

FIGURE 07.TOP WINNING STRATEGIES, BY COMPANY, 2017–2019

FIGURE 08.PARENT MARKET OVERVIEW

FIGURE 09.LOW BARGAINING POWER OF SUPPLIERS

FIGURE 10.HIGH THREAT OF NEW ENTRANTS

FIGURE 11.HIGH THREAT OF SUBSTITUTES

FIGURE 12.HIGH INTENSITY OF RIVALRY

FIGURE 13.HIGH BARGAINING P

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