

Global Bio-decontamination Equipment Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Bio-decontamination Equipment market size was valued at US\$ 385 million in 2024 and is forecast to a readjusted size of USD 546 million by 2031 with a CAGR of 5.2% during review period.

HPV is well recognized as a bio-decontamination agent due to its broad biological efficacy and can quickly deactivate microorganisms much more effectively than traditional decontamination methods such as formaldehyde. HPV has been tested on many individual microorganisms and classes of organisms successfully and has excellent material compatibility. HPV technology enables clients to leave computer equipment or any other devices in the room during the bio-decontamination process, unlike with other disinfection regimes, which can cause equipment damage. HPV decontamination systems operate at room temperature with relative humidity, without the need for significantly reduced humidity, unlike with traditional systems.

Global Bio-decontamination Equipment key players include STERIS Life Science, Bioquell, Fedegari Group, TOMI Environmental Solutions, etc. Global top four manufacturers hold a share over 70%.

North America is the largest market, with a share about 35%, followed by Europe, and Asia-Pacific, both have a share about 60 percent.

In terms of product, Vaporized Hydrogen Peroxide Sterilization is the largest segment, with a share over 65%. And in terms of application, the largest application is Pharmaceutical Manufacturing, followed by Bioscience Research, Hospital and Healthcare.

This report is a detailed and comprehensive analysis for global Bio-decontamination Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Bio-decontamination Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2020-2031

Global Bio-decontamination Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2020-2031

Global Bio-decontamination Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K USD/Unit), 2020-2031

Global Bio-decontamination Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K USD/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Bio-decontamination Equipment

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Bio-decontamination Equipment market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STERIS Life Science, Bioquell,

Fedegari Group, TOMI Environmental Solutions, JCE Biotechnology, Howorth Air Technology, Tailin BioEngineering, Weike Biological Laboratory, Noxilizer, ClorDiSys Solutions, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Bio-decontamination Equipment market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Vaporized Hydrogen Peroxide Sterilization

Gamma Irridation

Others

Market segment by Application

Pharmaceutical Manufacturing

Bioscience Research

Hospital and Healthcare

Major players covered

STERIS Life Science

Bioquell

Fedegari Group

TOMI Environmental Solutions

JCE Biotechnology

Howorth Air Technology

Tailin BioEngineering

Weike Biological Laboratory

Noxilizer

ClorDiSys Solutions

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-decontamination Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-decontamination Equipment, with price, sales quantity, revenue, and global market share of Bio-decontamination Equipment from 2020 to 2025.

Chapter 3, the Bio-decontamination Equipment competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-decontamination Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Bio-decontamination Equipment market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-decontamination Equipment.

Chapter 14 and 15, to describe Bio-decontamination Equipment sales channel, distributors, customers, research findings and conclusion.

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