

# Global Sterilization Equipment Market Size Study & Forecast, by Product Type (Thermal Sterilizers, Chemical/Gas Sterilizers, Others), by End-user (Hospital & Specialty Clinic, Pharmaceutical & Medical Device Manufacturers, Others), and Regional Analysis, 2023-2030

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## Abstracts

Global Sterilization Equipment Market is valued at approximately USD 9.31 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9.7% during the forecast period 2023-2030. Sterilization equipment encompasses instruments and machinery designed to eradicate all living organisms, such as bacteria, viruses, fungi, and spores, from surfaces or objects. This essential process mitigates the risk of infection or contamination and holds significance in diverse settings, including hospital & specialty clinics, pharmaceutical & medical device manufacturers, and so on. The Sterilization Equipment Market is expanding because of factors such as the rising geriatric population and increasing incidence of chronic diseases, the growing focus on food sterilization and disinfection, and the growing number of surgical procedures, coupled with the increasing outsourcing of sterilization services by pharmaceutical companies and hospitals.

In addition, the rising incidence of hospital-acquired infections is acting as a catalyzing factor for market growth across the globe. The global prevalence of Hospital-Acquired Infections (HAI), including conditions such as sepsis, Urinary Tract Infections (UTI), and surgical infections, is witnessing a significant rise. Sepsis, a critical medical condition, stands as a prominent cause of mortality in hospital settings. Annually, as reported by the Centers for Disease Control and Prevention (CDC), at least 1.7 million adults in the United States experience sepsis, leading to the loss of nearly 270,000 lives. Also, as

per the UK Sepsis Trust, it was estimated that in the UK the incidence of Sepsis accounts for around 360 cases per 100,000 population per year, which indicates the fatalities of nearly 20% and with patients presenting early being around half as likely to die than those presenting late. Hospital-acquired infections often result from the use of non-sterilized medical equipment such as catheters, contributing to elevated mortality rates and raising concerns about patient safety. To address this issue, various government regulatory bodies globally have introduced guidelines to control the prevalence of these infections. For instance, in the United States, the Health and Human Services (HHS) Steering Committee was established to prevent hospital-acquired infections. This committee, along with program officials and scientists across HHS, formulated an Action Plan aimed at preventing HAI in acute care hospitals. Thus, the escalating prevalence of hospital-acquired infections and the increasing implementation of government initiatives to curb their spread are driving the demand for sterilization systems, consequently propelling the growth of the sterilization equipment market during the estimated period. Moreover, the surge in the use of single-use medical nonwovens and devices, as well as the increasing adoption of sterilization using NO<sub>2</sub> present various lucrative opportunities over the forecast years. However, the unavailability of skilled professionals and the adverse effects of chemical disinfectants are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Sterilization Equipment Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the favorable reimbursement policies, along with an increasing incidence of hospital-acquired infections. The region's stringent regulatory policies, exemplified by the Patient Protection and Affordable Care Act, mandate the use of sterilization equipment in healthcare facilities, contributing to anticipated market growth throughout the forecast period. Whereas, Asia Pacific is expected to grow at the highest CAGR over the forecast years. The growing need to reduce hospital-acquired infections, the expanding demand for non-disposable medical equipment, and the growing awareness of cleanliness in hospitals and clinics are significantly propelling the market demand across the region. Moreover, the growing investment by pharmaceutical and biotechnology companies for novel therapeutics development and rising awareness regarding infectious diseases in healthcare settings are the further factors that are accelerating the market expansion over the anticipated years.

Major market players included in this report are:

STERIS (U.S.)

Getinge AB (Sweden)

ASP India Private Ltd. (U.S.)

3M (U.S.)

Cardinal Health (U.S.)

MMM Group (Germany)

MATACHANA (Spain)

Andersen Sterilizers (U.S.)

Noxilizer Inc. (U.S.)

Continental Equipment Company (U.S.)

Recent Developments in the Market:

In May 2022, Sterigenics S.A.S., a subsidiary of Sotera Health Company, enhanced its electron beam ("E-beam") facility located in Columbia City, Indiana. This facility plays a crucial role in safeguarding the integrity and safety of medical devices and drug products.

In March 2023, Getinge AB completed the acquisition of Ultra Clean Systems Inc., a manufacturer specializing in ultrasonic cleaning technologies. This strategic move was undertaken to strengthen and expand Getinge's product portfolio in the North American market.

In September 2021, Steris introduced integrated systems for Vaporized Hydrogen Peroxide (VHP) biodecontamination, designed to achieve a substantial reduction in 6-log bioburden. This innovation is tailored for use in GMP biopharmaceutical settings, research laboratories, and medical device environments.

Global Sterilization Equipment Market Report Scope:

*Global Sterilization Equipment Market Size Study & Forecast, by Product Type (Thermal Sterilizers, Chemical/Ga...*

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product Type, End-user, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Thermal Sterilizers

Chemical/Gas Sterilizers

Others

By End-user:

Hospital & Specialty Clinic

Pharmaceutical & Medical Device Manufacturers

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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