

# **Sterilization Equipment Market Size, Share, Forecast, & Trends Analysis by Offering (Equipment [Heat {Moist (Gravity, High-speed), Dry (Static Air, Forced Air)}, Low-temperature {ETO, Formaldehyde}, Radiation, Filtration] Services - Global Forecast to 2031**

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## **Abstracts**

Sterilization Equipment Market Size, Share, Forecast, & Trends Analysis by Offering (Equipment [Heat {Moist (Gravity, High-speed), Dry (Static Air, Forced Air)}, Low-temperature {ETO, Formaldehyde}, Radiation, Filtration] Services—Global Forecast to 2031

The sterilization equipment market is expected to reach \$26.77 billion by 2031, at a CAGR of 8.4% from 2024 to 2031.

This report provides the industry's key drivers, restraints, opportunities, and challenges following a comprehensive primary and secondary study and an in-depth analysis of the market scenario.

The market is propelled by the increasing prevalence of hospital-acquired infections, a rise in surgical procedures, and an escalating demand for sterilization in the food sector to mitigate food-borne diseases. Additionally, there is a growing demand for sterilization equipment from the pharmaceutical and biotechnology sectors, alongside the outsourcing of sterilization processes to specialized service providers in non-healthcare industries. However, market growth is restrained by concerns surrounding the safety of ethylene oxide and the reprocessing of instruments.

In addition, the increasing adoption of e-beam sterilization, surge in demand for sterilization products in emerging markets, strong emphasis on infection control in both healthcare and non-healthcare sectors, and the growing use of CO2 sterilization technology in the medical device industry are anticipated to create growth opportunities for market players. However, challenges such as non-compliance with sterilization standards in the healthcare sector and the transition from reusable to disposable medical devices may impede market growth.

Based on products, the consumables & accessories segment is slated to register the highest CAGR during the forecast period. Sterilization consumables and accessories play a vital role in measuring, controlling, and preventing infections, and in monitoring healthcare-associated infections (HAIs). These products offer valuable insights into trends associated with infection control and prevention initiatives, thereby driving their increased adoption.

Based on end users, the hospitals & clinics segment is expected to account for the largest share of the sterilization equipment market in 2024. This segment's large share is attributed to factors such as rising healthcare expenditures and advancements in research and development. Key drivers include improved patient outcomes, a high prevalence of HAIs, an increasing number of surgical procedures, and a growing demand for clean and high-quality healthcare facilities.

The key players operating in the sterilization equipment market are STERIS plc (U.S.), 3M Company (U.S.), Getinge AB (Sweden), Cardinal Health, Inc. (U.S.), Advanced Sterilization Products, Inc. (U.S.) (A subsidiary of Fortive Corporation), Fedegari Autoclavi SpA (Italy), Stryker Corporation (U.S.), ANTONIO MATACHANA, S. A. (Spain), SteelcoBelimed AG (Switzerland), Sotera Health Company (U.S.), Benchmark Scientific Inc (U.S.), MMM M?nchener Medizin Mechanik GmbH (Germany), Tuttnauer (Netherlands), and Consolidated Sterilizer Systems (U.S.), and Andersen Sterilizers, Inc. (U.S.).

Scope of the Report:

Sterilization Equipment Market Assessment—by Offering

Equipment

Heat/Steam Sterilization Equipment

Moist Heat Sterilizers

Gravity Displacement Autoclaves

High-speed Prevacuum Sterilizers

Dry Heat Sterilizers

Static Air Sterilizers

Forced Air Sterilizers

Low-Temperature Sterilization Equipment

Hydrogen Peroxide/Gas Plasma Sterilizers

Ethylene Oxide Sterilizers

Ozone-Based Sterilizers

Formaldehyde Sterilizers

Other Low-Temperature Sterilization Equipment

(Other low-temperature sterilization equipment primarily includes nitrogen dioxide sterilization and vaporized peracetic acid (VPA)-based sterilizers)

Radiation Sterilization Equipment

Filtration Sterilization Equipment

Services

Ethylene Oxide Sterilization Services

Gamma Sterilization Services

E-beam Sterilization Services

Steam Sterilization Services

Other Sterilization Services

(Other sterilization services primarily include services of the following technologies: vaporized hydrogen peroxide, hydrogen peroxide, hydrogen peroxide gas plasma sterilization, X-ray sterilization, NO<sub>2</sub>, peracetic acid, and dry heat sterilization)

Consumables & Accessories

Sterilization Indicators

Biological Indicators

Chemical Indicators

Sterilants

Instrument Packaging & Pouches

Other Consumables & Accessories

(Other consumables & accessories include incubators, trolleys, carts, baskets, containers, trays, and racks)

Sterilization Equipment Market Assessment—by End User

Hospitals & Clinics

Medical Device Companies

Pharmaceutical Companies

Food & Beverage Industry

Other End Users

(Other end users primarily include diagnostic laboratories, academic & research institutes, veterinary hospitals & clinics, and blood banks)

#### Sterilization Equipment Market Assessment—by Geography

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Spain

Switzerland

Belgium

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

Latin America

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  - 9.7. Consolidated Sterilizer Systems
  - 9.8. Antonio Matachana, S. A. (Matachana Group)
  - 9.9. Stryker Corporation
  - 9.10. Benchmark Scientific Inc.
  - 9.11. MMM M?nchener Medizin Mechanik GmbH
  - 9.12. Cardinal Health, Inc.
  - 9.13. Fedegari Autoclavi SpA
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- (\*SWOT Analysis is provided for top 5 companies only)

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