

Growing Demand for Sterilization Technologies in Healthcare and Food Industries Drives Sterilization Technologies Market

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STERILIZATION TECHNOLOGIES MARKET
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According to the report, the global [sterilization technologies industry](#) was pegged at \$7.20 billion in 2020, and is expected to reach \$12.78 billion by 2030, growing at a CAGR of 5.9% from 2021 to 2030.

Sterilization technologies are methods used to kill or eliminate microorganisms such as bacteria, viruses, and fungi. These methods are used to ensure that objects, surfaces, or substances are free from any harmful microorganisms that can cause infection or disease.

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Heat Sterilization: This involves using high temperatures to kill microorganisms. It is commonly used in hospitals and healthcare facilities to sterilize medical instruments.

Chemical Sterilization: This involves using chemicals such as hydrogen peroxide, formaldehyde, or ethylene oxide to kill microorganisms. It is commonly used to sterilize equipment and surfaces in laboratories and hospitals.

Radiation Sterilization: This involves using ionizing radiation, such as gamma rays or electron beams, to kill microorganisms. It is commonly used to sterilize medical devices, pharmaceutical products, and food products.

Filtration Sterilization: This involves using filters to physically remove microorganisms from a





Rise in number of hospital acquired infections, and growth in demand of sterilization in food & beverage industry propel the growth of the sterilization technologies market”

Onkar Sumant

liquid or gas. It is commonly used in the production of vaccines and pharmaceuticals.

These sterilization technologies are essential in maintaining a clean and safe environment, especially in healthcare settings, where the risk of infection and disease transmission is high.

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sterilization technologies market is expected to grow significantly in the coming years, driven by the increasing demand for clean and safe environments in various industries.

Healthcare: Sterilization technologies are used in hospitals, clinics, and other healthcare settings to sterilize medical equipment, instruments, and surfaces to prevent the spread of infections.

Food and Beverage: Sterilization technologies are used in the food and beverage industry to ensure that food products are safe to consume by killing any harmful microorganisms that may be present.

Pharmaceutical: Sterilization technologies are used in the pharmaceutical industry to ensure that drugs and vaccines are free from any harmful microorganisms that can cause infections or diseases.

Cosmetics: Sterilization technologies are used in the cosmetics industry to ensure that products such as creams and lotions are free from any harmful microorganisms that can cause skin infections.

Laboratory: Sterilization technologies are used in laboratory settings to sterilize equipment and surfaces to prevent contamination of experiments and research studies.

Overall, sterilization technologies play a vital role in maintaining a clean and safe environment in various segments and industries by preventing the spread of infections and diseases caused by harmful microorganisms.

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The outbreak of COVID-19 is expected to impact the growth of the global sterilization technologies market positively. The rapid spread of COVID-19 boosted the demand for sterilization equipment and services due to rise in cases of HAIs in hospital settings.

The rise in healthcare expenditure due to the Covid-19 outbreak and increase in number of temporary hospitals are propelling the growth of the market.

Factors such as rise in demand for hospital beds and intensive care units (ICUs), the expansion of isolation facilities, and increased consumer awareness of sterilizing products and services for medical devices and single-use products have all fuelled sterilization products and service demand.

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North America garnered the major share in 2020, contributing to nearly two-fifths of the global sterilization technologies market, and is expected to continue its dominance throughout the forecast period. This is owing to the growing demand for sterilization technologies from the healthcare industry to minimize the occurrence of HAIs, the increasing number of surgical procedures performed, and the presence of key players in the region. However, the market across Asia-Pacific is expected to witness the fastest CAGR of 6.7% during the forecast period. This is due to accelerated economic growth, rise in government focus on the healthcare sector, increase in prevalence of chronic diseases, the outbreak of COVID-19, investment from government bodies to expand healthcare facilities, and favorable regulatory reforms

Key players in the market:

AtecPharmatechnik GmbH
Advanced Sterilization Products Services Inc.
Sterile Technologies Inc.
Belimed AG
Nordion Inc.
Stryker Corporation.
Getinge Group
Noxilizer, Inc.
Steris Plc.
The 3M Company

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