

# Steam Autoclaves Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/S14142FA3AA8EN.html>

Date: October 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: S14142FA3AA8EN

## Abstracts

### Market Overview:

The global steam autoclaves market size reached US\$ 2.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4.0 Billion by 2028, exhibiting a growth rate (CAGR) of 8.2% during 2023-2028.

A steam autoclave refers to a pressure chamber that is used for sterilizing industrial equipment and machinery. This process is commonly used for disinfecting surgical equipment, laboratory instruments, solids, liquids and hollow surfaces. The items are exposed to high-temperature steam and pressure to neutralize the pathogens, such as bacteria, spores and germs that are resistant to boiling water and powerful detergents. Some of the commonly available variants include table-top, vertical, horizontal, floor standing, etc. They consist of a control system, thermostatic trap, safety valve, wastewater cooling mechanism, vacuum system and steam generator. Autoclaves are available in a wide variety of shapes and sizes and can be customized according to the requirement of the user.

Significant growth in the medical industry is one of the key factors creating a positive impact on the market. Also, the increasing instances of hospital-acquired infections (HAIs) have enhanced the demand for steam autoclaves to disinfect medical instruments and prevent cross-transmission. Furthermore, the rising demand for efficient bio-hazard waste treatment methods is providing a boost to the market growth. Healthcare centers, pharmaceutical facilities, life science research centers and laboratories use steam autoclaves for equipment and waste sterilization. Various product innovations, such as the development of portable and robotized variants, are

acting as other growth-inducing factors. These advanced autoclaves are easily transportable, require minimal space and offer improved sterilization capabilities. Other factors, including widespread product adoption by the aviation and aerospace industry for processing high-quality polymer structural components, are expected to drive the market further.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global steam autoclaves market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on configuration, technology and application.

#### Breakup by Configuration:

Table Top Steam Autoclaves

Vertical Steam Autoclaves

Horizontal Steam Autoclaves

Others

#### Breakup by Technology:

Gravity Displacement

Pre-Vacuum

Steam Flush Pressure Pulse

#### Breakup by Application:

Medical

Laboratory

Others

## Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Accumax India, Astell Scientific Ltd., Belimed GmbH (Metall Zug AG), BMM Weston Ltd., Consolidated Machine Corporation, Getinge Infection Control AB, LTE Scientific Ltd., Matachana, Priorclave Ltd., Steris Corporation, Tuttnauer and Zirbus technology GmbH.

Key Questions Answered in This Report:

How has the global steam autoclaves market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global steam autoclaves market?

What are the key regional markets?

What is the breakup of the market based on the configuration?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global steam autoclaves market and who are the key

players?

What is the degree of competition in the industry?

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