

Mucosal Atomization Devices Market Report by Product Type (Nasal Atomization Devices, Fiber-Optic Atomization Devices, Laryngo-Tracheal Atomization Devices, Bottle Atomizer Devices), Technology (Gas Propelled, Electrical), End User (Hospitals, Clinics, Ambulatory Surgical Centers, and Others), and Region 2024-2032

<https://marketpublishers.com/r/MBCD15331872EN.html>

Date: March 2024

Pages: 147

Price: US\$ 3,899.00 (Single User License)

ID: MBCD15331872EN

Abstracts

The global mucosal atomization devices market size reached US\$ 772.1 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,300.7 Million by 2032, exhibiting a growth rate (CAGR) of 5.92% during 2024-2032. The global market is growing rapidly, driven by technological advancements, the increasing demand for efficient drug delivery in medical emergencies, broadening applications in healthcare, and rapid expansion of the healthcare infrastructure in emerging economies, particularly in Asia-Pacific.

Mucosal Atomization Devices Market Analysis:

Market Growth and Size: The mucosal atomization devices market is experiencing significant growth, attributed to increasing demand across various medical fields. The market's expansion is further driven by the rising need for efficient drug delivery systems in both emergency and outpatient care settings.

Major Market Drivers: Key drivers include the enhanced efficiency of drug delivery through mucosal atomization, the growing prevalence of chronic diseases, and the need for rapid medication administration. Technological advancements and increasing awareness among healthcare professionals also play vital roles in driving market growth.

Technological Advancements: Continuous innovation in device design and functionality

characterizes this market, with developments aimed at improving atomization quality, user-friendliness, and portability. Integration of digital health technologies for better dosage control and patient compliance is an emerging trend.

Industry Applications: Mucosal atomization devices find extensive applications in emergency medicine, pain management, ENT procedures, and chronic disease treatment. Their non-invasive nature and rapid drug absorption capabilities make them suitable for diverse medical scenarios.

Key Market Trends: The market is witnessing a trend towards more compact, efficient, and cost-effective devices. There's also an increasing focus on patient comfort and compliance, driving the development of user-friendly atomization devices.

Geographical Trends: North America dominates the market due to its advanced healthcare infrastructure and high prevalence of chronic diseases. Asia Pacific and Europe are also significant markets, showing rapid growth due to expanding healthcare facilities and rising healthcare spending.

Competitive Landscape: The market is characterized by the presence of key players engaging in strategic collaborations, R&D investments, and expansions into new markets. These companies are focused on enhancing their product portfolios and strengthening their global market positions.

Challenges and Opportunities: Challenges include stringent regulatory standards and the need for continuous technological advancements. However, these challenges present opportunities for innovation and development of new products that meet changing healthcare needs, especially in developing regions and emerging markets.

Mucosal Atomization Devices Market Trends:

Enhanced drug delivery efficiency

Mucosal atomization devices have gained prominence due to their ability to enhance the efficiency of drug delivery, particularly in emergency and outpatient settings. These devices facilitate rapid absorption of medication through the mucosal membrane, leading to quicker onset of action compared to traditional delivery methods. This is especially critical in cases requiring immediate medical intervention, such as pain management, seizure control, or reversal of opioid overdose. The fine mist produced by atomization ensures a larger surface area for drug absorption, improving bioavailability. This method also bypasses the gastrointestinal tract, eliminating concerns related to oral administration such as first-pass metabolism or gastrointestinal disturbances. Moreover, mucosal atomization is non-invasive, making it more acceptable to patients, especially children or those with difficulty swallowing pills. The growing emphasis on patient comfort and the need for rapid, effective medication administration in various clinical scenarios significantly drive the market for these devices.

Technological advancements and product innovation

The market is propelled by continuous technological advancements and product innovations. Modern devices offer improved atomization quality, creating a consistent particle size that enhances mucosal absorption. Innovations in design have led to more user-friendly, portable, and disposable atomizers, expanding their use in diverse medical settings. Developments in materials and manufacturing techniques have also reduced the cost of these devices, making them more accessible. There is a growing focus on developing devices with better control over dosage and spray pattern, catering to specific medical requirements. Additionally, advancements in digital health technology, such as integration with electronic medical records for dose tracking and patient compliance, are emerging trends. The ongoing research and development aimed at improving the efficacy, safety, and convenience of these devices significantly contribute to the expansion of this market.

Rising demand in various medical applications

The application scope of these devices extends across numerous medical fields, driving their market growth. In emergency medicine, these devices are crucial for rapid drug administration in critical care situations. In ENT (Ear, Nose, Throat) practices, they are used for efficient local anesthesia during procedures. Their use in pain management, especially for patients unable to take oral medication, is another key area of application. The growing prevalence of chronic diseases where regular medication is required, such as diabetes or hormonal disorders, presents additional opportunities for the use of mucosal atomization for drug delivery. Furthermore, the COVID-19 pandemic has highlighted the need for effective and safe drug delivery methods, with mucosal atomization being explored for vaccine administration. The versatility and growing applications of these devices in various medical specialties significantly contribute to the increasing demand and expansion of the mucosal atomization devices market.

Mucosal Atomization Devices Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2024-2032. Our report has categorized the market based on product type, technology and end user.

Breakup by Product Type:

Nasal Atomization Devices

Fiber-Optic Atomization Devices

Laryngo-Tracheal Atomization Devices Bottle Atomizer Devices

Nasal atomization devices accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the product type. This includes nasal atomization devices, fiber-optic atomization devices, laryngo-tracheal atomization devices, and bottle atomizer devices. According to the report, nasal atomization devices represented the largest segment.

Nasal atomization devices are increasingly popular due to their non-invasive nature and ease of use, which improves patient compliance, especially in pediatric and geriatric populations. These devices are critical in delivering medications for conditions like seizures, pain management, and opioid overdoses, where rapid mucosal absorption is essential. The rising prevalence of chronic nasal and sinus conditions also contributes to the demand for these devices. Furthermore, ongoing research and development efforts aimed at improving nasal drug delivery efficacy are anticipated to continue driving the growth of this segment.

On the other hand, fiber-optic atomization devices are recognized for their precision in delivering medication to targeted areas, especially in ENT and pulmonary treatments. These devices utilize advanced technology to produce a fine mist, ensuring deep penetration and effective drug delivery to hard-to-reach mucosal surfaces. Their integration with fiber-optic technology allows for simultaneous visualization and treatment, enhancing the accuracy of procedures. The market for these devices is expanding with the increasing demand for minimally invasive medical treatments.

Moreover, laryngo-tracheal atomization devices are designed for targeted drug delivery to the larynx and trachea, primarily in anesthesia and respiratory therapies. Their specific design facilitates effective medication deposition in the lower respiratory tract, crucial for treatments like local anesthesia during intubations. These devices are gaining prominence in critical care and surgical settings due to their ability to provide quick and effective relief. The increasing number of surgeries requiring airway management is a significant factor contributing to the growth of this market segment.

Furthermore, bottle atomizer devices are simple, versatile, and widely used in various medical settings, from hospitals to home care. These devices are particularly useful for topical applications and throat treatments, offering easy handling and convenience. Their cost-effectiveness and broad applicability make them a popular choice in both

developed and developing healthcare markets. The ongoing demand for easy-to-use and affordable medical devices supports the steady growth of this segment.

Breakup by Technology:

Gas Propelled
Electrical

Gas propelled holds the largest share in the industry

A detailed breakup and analysis of the market based on the technology have also been provided in the report. This includes gas propelled and electrical. According to the report, gas propelled accounted for the largest market share.

Gas propelled atomization devices are gaining traction due to their ability to deliver a fine mist of medication quickly and effectively, which is essential in time-sensitive medical situations. These devices are preferred in emergency medicine and critical care due to their reliability and ease of use, especially in scenarios where electrical power may not be readily available. Their portability makes them ideal for field use, including ambulance services and military applications. The consistent particle size produced by gas propulsion ensures efficient and uniform drug absorption, making them highly effective for various treatments. Additionally, these devices are often seen as cost-effective solutions, suitable for a wide range of healthcare settings.

On the other hand, electrical atomization devices are characterized by their precision and control in drug delivery, making them suitable for delicate medical procedures. These devices offer adjustable settings for particle size and spray intensity, allowing for customized medication delivery tailored to individual patient needs. They are commonly used in ENT and dental procedures where precise application is crucial. Their growing popularity is also attributed to advancements in battery technology, which enhances their portability and convenience in various healthcare environments.

Breakup by End User:

Hospitals
Clinics
Ambulatory Surgical Centers
Others

Hospitals represent the leading market segment

The report has provided a detailed breakup and analysis of the market based on the end user. This includes hospitals, clinics, ambulatory surgical centers, and others. According to the report, hospitals represented the largest segment.

Hospitals are a major end-user segment for mucosal atomization devices due to their extensive use in emergency, ENT, and surgical procedures. The increasing number of hospital admissions involving cases requiring rapid drug administration boosts the demand for these devices. Hospitals typically favor advanced atomization devices that offer precision, reliability, and versatility to cater to various medical needs. The continuous investment in upgrading hospital equipment and the emphasis on improving patient care quality further contribute to the dominance of this segment in the market.

On the other hand, Clinics, especially those specializing in ENT, dental, and pediatric care, increasingly utilize mucosal atomization devices for various treatments. These settings often prefer devices that are easy to use, maintain, and provide effective localized treatment. The growing number of clinics globally, along with the rise in outpatient and minimally invasive procedures, is driving the demand for these devices. The convenience and efficacy of mucosal atomization in a clinical setting support the growth of this segment.

Furthermore, ambulatory surgical centers (ASCs) are adopting mucosal atomization devices to enhance their procedural efficiency and patient comfort. These centers benefit from the quick and effective drug delivery offered by these devices, particularly in procedures requiring local anesthesia or pain management. The increasing number of ASCs, coupled with the shift towards outpatient surgical procedures, contributes to the growing use of atomization devices. The trend towards minimally invasive surgeries, which require precise and targeted medication delivery, also supports the expansion of this market segment.

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

North America leads the market, accounting for the largest mucosal atomization devices market share

The market research report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America accounted for the largest market share.

The North American market is primarily driven by the region's advanced healthcare infrastructure and heightened focus on emergency medical care. The presence of leading medical device manufacturers in this region, investing in R&D for innovative products, further propels market growth. Increasing awareness among healthcare professionals about the benefits of mucosal atomization in drug delivery, especially in emergency and outpatient settings, significantly contributes to the market expansion. The high prevalence of chronic diseases requiring effective medication management also plays a crucial role. Additionally, favorable government policies and healthcare reimbursement schemes in countries like the United States and Canada support the adoption of these advanced medical devices.

Asia Pacific's market is growing rapidly, largely due to the expanding healthcare infrastructure and increasing investments in medical technology in countries like China and India. The rising prevalence of chronic diseases and the growing elderly population in the region necessitate advanced drug delivery systems, boosting the demand for mucosal atomization devices. Additionally, the growing focus on improving emergency medical services and training healthcare professionals in advanced drug delivery techniques contributes to market growth. Moreover, the increasing affordability and availability of these devices in the region enhance their adoption in various medical settings.

Europe's market is influenced by the region's strong focus on healthcare quality and safety, driving the adoption of efficient drug delivery systems like mucosal atomization devices. The presence of well-established healthcare systems and high healthcare expenditure in European countries underpins the market growth. Additionally, the region's stringent regulatory standards for medical devices ensure the availability of high-quality and safe devices. The increasing prevalence of lifestyle-related diseases that require efficient medication management further stimulates the demand for these devices.

In Latin America, the market is gaining momentum due to the gradual improvement in healthcare infrastructure and increasing access to healthcare services. The growing awareness among healthcare providers about the efficacy and safety of mucosal atomization in drug delivery is a significant factor. Additionally, the rising incidence of chronic diseases in the region necessitates advanced drug delivery solutions. Furthermore, the increasing investments in the healthcare sector by governments and private entities are encouraging the adoption of innovative medical devices.

The market in the Middle East and Africa is developing, with increased healthcare spending and growing awareness of advanced medical technologies as key drivers. The region's focus on improving healthcare infrastructure, particularly in countries like Saudi Arabia and the United Arab Emirates, supports market growth. The rising prevalence of chronic diseases, coupled with the need for effective medication delivery systems, also contributes to the demand for mucosal atomization devices. Moreover, government initiatives to modernize healthcare services and promote medical tourism in some countries are fostering the adoption of advanced medical devices in the region.

Leading Key Players in the Mucosal Atomization Devices Industry:

The key players are actively engaged in various strategic initiatives to strengthen their market positions. These companies are heavily investing in research and development

to innovate and improve the efficacy and safety of their devices. This includes the design of more user-friendly and cost-effective products to enhance patient compliance and expand market reach. Partnerships and collaborations with healthcare providers and institutions are being pursued to gain valuable insights and foster product adoption. Additionally, these players are focusing on expanding their global footprint through strategic mergers and acquisitions, and by entering new markets, especially in developing regions where healthcare infrastructure is rapidly improving.

The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Becton Dickinson and Company
DeVilbiss Healthcare LLC (Drive DeVilbiss Healthcare)
Kurve Technology Inc.
Life-Assist Inc.
Medica Holdings LLC
MedTree (BTME Group Ltd.)
Teleflex Incorporated

(Please note that this is only a partial list of the key players, and the complete list is provided in the report.)

Latest News:

December 7, 2023: Becton, Dickinson and Company today announced it has received 510(k) clearances from the U.S. Federal Drug Administration (FDA) for a novel blood collection device that obtains blood samples from a fingerstick that produce lab-quality results for some of the most commonly ordered blood tests.

May 24, 2023: Drive DeVilbiss Healthcare launched a new, energy efficient 10 litre oxygen concentrator. For the first time ever, an oxygen device is being designed centering the needs of these unique whilst challenging environments. The oxygen concentrator is best placed to fulfill the need for oxygen therapy at the primary and secondary health levels in rural and semi-urban areas.

March 15, 2023: Today, Kurve Therapeutics (Kurve Tx) announced it has filed for new intellectual property on its nose-to-brain technology platform. Kurve's technology uses the neuronal pathway rather than the circulatory system, which means the drug is delivered to the extracellular space in the brain. This means there is the opportunity to move the drug once it reaches the brain.

Key Questions Answered in This Report

1. What was the size of the global mucosal atomization devices market in 2023?
2. What is the expected growth rate of the global mucosal atomization devices market during 2024-2032?
3. What are the key factors driving the global mucosal atomization devices market?
4. What has been the impact of COVID-19 on the global mucosal atomization devices market?
5. What is the breakup of the global mucosal atomization devices market based on the product type?
6. What is the breakup of the global mucosal atomization devices market based on the technology?
7. What is the breakup of the global mucosal atomization devices market based on the end user?
8. What are the key regions in the global mucosal atomization devices market?
9. Who are the key players/companies in the global mucosal atomization devices market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL MUCOSAL ATOMIZATION DEVICES MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT TYPE

- 6.1 Nasal Atomization Devices
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Fiber-Optic Atomization Devices
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Laryngo-Tracheal Atomization Devices

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Bottle Atomizer Devices
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

- 7.1 Gas Propelled
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Electrical
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY END USER

- 8.1 Hospitals
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Clinics
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Ambulatory Surgical Centers
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Others
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

9.3.1.1 Market Trends

9.3.1.2 Market Forecast

9.3.2 France

9.3.2.1 Market Trends

9.3.2.2 Market Forecast

9.3.3 United Kingdom

9.3.3.1 Market Trends

9.3.3.2 Market Forecast

9.3.4 Italy

9.3.4.1 Market Trends

9.3.4.2 Market Forecast

9.3.5 Spain

9.3.5.1 Market Trends

9.3.5.2 Market Forecast

9.3.6 Russia

9.3.6.1 Market Trends

9.3.6.2 Market Forecast

9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 Becton Dickinson and Company

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.1.3 Financials

14.3.1.4 SWOT Analysis

14.3.2 DeVilbiss Healthcare LLC (Drive DeVilbiss Healthcare)

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 Kurve Technology Inc.

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.4 Life-Assist Inc.

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 Medica Holdings LLC

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.6 MedTree (BTME Group Ltd.)

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.7 Teleflex Incorporated

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.7.3 Financials

14.3.7.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Mucosal Atomization Devices Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Mucosal Atomization Devices Market Forecast: Breakup by Product Type (in Million US\$), 2024-2032

Table 3: Global: Mucosal Atomization Devices Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 4: Global: Mucosal Atomization Devices Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 5: Global: Mucosal Atomization Devices Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Mucosal Atomization Devices Market: Competitive Structure

Table 7: Global: Mucosal Atomization Devices Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Mucosal Atomization Devices Market: Major Drivers and Challenges

Figure 2: Global: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Mucosal Atomization Devices Market: Breakup by Product Type (in %), 2023

Figure 5: Global: Mucosal Atomization Devices Market: Breakup by Technology (in %), 2023

Figure 6: Global: Mucosal Atomization Devices Market: Breakup by End User (in %), 2023

Figure 7: Global: Mucosal Atomization Devices Market: Breakup by Region (in %), 2023

Figure 8: Global: Mucosal Atomization Devices (Nasal Atomization Devices) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Mucosal Atomization Devices (Nasal Atomization Devices) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Mucosal Atomization Devices (Fiber-Optic Atomization Devices) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Mucosal Atomization Devices (Fiber-Optic Atomization Devices) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Mucosal Atomization Devices (Laryngo-Tracheal Atomization Devices) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Mucosal Atomization Devices (Laryngo-Tracheal Atomization Devices) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Mucosal Atomization Devices (Bottle Atomizer Devices) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Mucosal Atomization Devices (Bottle Atomizer Devices) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Mucosal Atomization Devices (Gas Propelled) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Mucosal Atomization Devices (Gas Propelled) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Mucosal Atomization Devices (Electrical) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Mucosal Atomization Devices (Electrical) Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 20: Global: Mucosal Atomization Devices (Hospitals) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Mucosal Atomization Devices (Hospitals) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Mucosal Atomization Devices (Clinics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Mucosal Atomization Devices (Clinics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Mucosal Atomization Devices (Ambulatory Surgical Centers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Mucosal Atomization Devices (Ambulatory Surgical Centers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Mucosal Atomization Devices (Other End Users) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Mucosal Atomization Devices (Other End Users) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: North America: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: North America: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: United States: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: United States: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Canada: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Canada: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Asia-Pacific: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Asia-Pacific: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: China: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: China: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Japan: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Japan: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: India: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: India: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: South Korea: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: South Korea: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Australia: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Australia: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Indonesia: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Indonesia: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Others: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Others: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Europe: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Europe: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: Germany: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Germany: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: France: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: France: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: United Kingdom: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: United Kingdom: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Italy: Mucosal Atomization Devices Market: Sales Value (in Million US\$),

2018 & 2023

Figure 59: Italy: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Spain: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Spain: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Russia: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Russia: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Others: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Others: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Latin America: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Latin America: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Brazil: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Brazil: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Mexico: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Mexico: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Others: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Others: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Middle East and Africa: Mucosal Atomization Devices Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Middle East and Africa: Mucosal Atomization Devices Market: Breakup by Country (in %), 2023

Figure 76: Middle East and Africa: Mucosal Atomization Devices Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Global: Mucosal Atomization Devices Industry: SWOT Analysis

Figure 78: Global: Mucosal Atomization Devices Industry: Value Chain Analysis

Figure 79: Global: Mucosal Atomization Devices Industry: Porter's Five Forces Analysis

I would like to order

Product name: Mucosal Atomization Devices Market Report by Product Type (Nasal Atomization Devices, Fiber-Optic Atomization Devices, Laryngo-Tracheal Atomization Devices, Bottle Atomizer Devices), Technology (Gas Propelled, Electrical), End User (Hospitals, Clinics, Ambulatory Surgical Centers, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/MBCD15331872EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/MBCD15331872EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970