

Aloe Vera Market Report by Product (Aloe Vera Gel Extract, Aloe Vera Whole Leaf Extract, and Others), Form (Concentrates, Gels, Drinks, Powders, Capsules), Application (Pharmaceutical Industry, Cosmetic Industry, Food Industry), and Region 2025-2033

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Abstracts

The global aloe vera market size reached USD 890 Million in 2024. Looking forward, IMARC Group expects the market to reach USD 1,530 Million by 2033, exhibiting a growth rate (CAGR) of 6.3% during 2025-2033. Rising demand for natural and organic ingredients in cosmetics, escalating awareness regarding the therapeutic properties of aloe vera, expansion of e-commerce platforms, the implementation of various government initiatives promoting natural ingredients, increasing disposable incomes, advancements in processing technologies, and collaborations among industry players are accelerating the market growth.

Airport passenger screening systems refer to the comprehensive array of technologies and procedures employed at airports to ensure the safety and security of passengers, baggage, and airport personnel. These systems play a critical role in detecting and preventing the transport of prohibited items, such as weapons and explosives, onto commercial aircraft. Modern Airport Passenger Screening Systems encompass a combination of advanced technologies, including X-ray scanners, metal detectors, explosive trace detectors, and body scanners. These technologies are used to thoroughly inspect both passengers and their belongings. The screening process is designed to be efficient and non-intrusive, while maintaining the highest levels of security. Furthermore, these systems adhere to strict regulatory standards and guidelines set by international aviation authorities, such as the International Civil

Aviation Organization (ICAO) and the Transportation Security Administration (TSA). As a result, they contribute significantly to enhancing overall airport security, minimizing potential threats, and ensuring the safety of air travel for millions of passengers worldwide

The steady rise in global air travel has prompted airports to enhance their security infrastructure. As passenger volumes grow, the demand for efficient and effective screening systems to ensure safety has become paramount. Additionally, the constantly evolving nature of security threats requires continuous technological advancements. As new types of threats emerge, the need for sophisticated screening systems capable of detecting a wider range of prohibited items becomes essential. Other than this, while ensuring security remains paramount, airports are also aiming to streamline passenger processes. Advanced screening technologies like body scanners that maintain privacy while enhancing security contribute to a smoother passenger experience. Besides this, expanding and modernizing airports in both developed and emerging economies drives the adoption of advanced passenger screening systems. These systems are considered an integral part of infrastructure upgrades to support increased passenger flow. In line with this, ongoing global concerns regarding terrorism and acts of violence continue to underscore the need for effective screening measures. Airport Passenger Screening Systems are considered a frontline defense against potential security breaches. Furthermore, increased awareness among the general public regarding safety measures has led to higher expectations for robust security practices. Airports are under pressure to employ state-of-the-art screening solutions to instill confidence in travelers. Moreover, governments and aviation regulatory bodies around the world are imposing rigorous security mandates to counter evolving security threats. This compels airports to adopt advanced screening technologies to comply with these regulations and safeguard passengers.

Airport Passenger Screening Systems Market Trends/Drivers:

Increase in Air Travel

With a rising number of passengers traversing airports worldwide, the need to ensure their safety while maintaining efficient operations has become paramount. The increasing demand for faster screening processes, combined with stringent security checks, has prompted airports to invest in advanced screening technologies. This not only helps in managing larger passenger volumes but also contributes to minimizing delays and enhancing the overall passenger experience.

Stringent Security Regulations

Governments and aviation regulatory bodies globally have established strict security regulations in response to evolving threats to aviation security. Compliance with these regulations is non-negotiable, compelling airports to adopt cutting-edge screening solutions. The International Civil Aviation Organization (ICAO) and national aviation authorities lay down comprehensive security standards, mandating the deployment of state-of-the-art screening technologies. The need to prevent potential security breaches, combined with the risk of penalties for non-compliance, drives airports to invest in sophisticated screening systems to meet these regulatory requirements effectively.

Emergence of New Threats

Traditional screening methods may not effectively detect new types of threats, such as concealed non-metallic explosives or innovative smuggling techniques. As a result, the airport passenger screening systems witness continuous innovation to stay ahead of emerging threats. The demand for systems that can detect a wider range of prohibited items, including non-metallic and organic materials, has led to the development of advanced technologies like millimeter-wave body scanners and explosive trace detectors. This adaptability is crucial in maintaining the effectiveness of security measures against evolving threats.

Airport Passenger Screening Systems Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global airport passenger screening systems market report, along with forecasts at the global and regional levels for 2025-2033. Our report has categorized the market based on product, technology, and end-user.

Breakup by Product:

Passenger Screening

Carry-On Baggage Screening

Carry-on baggage screening represents the most popular product

The report has provided a detailed breakup and analysis of the market based on the product. This includes passenger screening and carry-on baggage screening. According to the report, carry-on baggage screening represented the largest segment.

Passenger screening involves technologies and procedures designed to ensure the safety of individuals traveling through airports. This segment encompasses a range of advanced solutions such as body scanners, metal detectors, and full-body imaging systems. These technologies are employed to detect concealed prohibited items on passengers, including weapons, explosives, and other potential threats. Passenger screening technologies are continually evolving to strike a balance between effective security measures and passenger privacy, while adhering to stringent regulatory guidelines. The demand for accurate, efficient, and non-intrusive passenger screening systems remains high, driven by the need to provide robust security protocols while maintaining a seamless passenger experience.

Carry-on screening pertains to the examination of passengers' hand baggage and personal items. This comprises X-ray scanners, explosive trace detectors, and advanced imaging technologies. The primary objective of carry-on screening is to identify concealed dangerous items within passengers' belongings that could pose a threat to aviation safety. The technologies used in this segment focus on high-resolution imaging, material identification, and explosive detection. The increasing sophistication of smuggling techniques necessitates constant innovation in carry-on screening technologies to stay ahead of potential threats. This segment is crucial in preventing prohibited items from being brought onto aircraft and contributes significantly to maintaining the integrity of air travel security.

Breakup by Technology:

Metal and Explosive Detection Systems

Advanced Imaging Systems

Metal and explosive detection systems hold the largest share in the market

A detailed breakup and analysis of the market based on technology has also been provided in the report. This includes metal and explosive detection systems and advanced imaging systems. According to the report, metal and explosive detection systems accounted for the largest market share.

These systems are at the forefront of safeguarding air travel, as they provide reliable and efficient means to detect both metallic and non-metallic threats. The prevalence of metal-based weapons and explosive devices underscores the critical importance of these technologies in preventing potential acts of terrorism or violence on commercial aircraft. Metal and explosive detection systems encompass a range of technologies such as X-ray scanners, electromagnetic scanners, and trace detectors. Their prominence can be attributed to their versatility – they can be employed in both passenger and carry-on screening, ensuring comprehensive security coverage. Furthermore, the continuous evolution of these technologies, marked by advancements in detection accuracy, speed, and the ability to identify a broader range of materials, has solidified their dominant position in the market. Their proven track record in preventing security breaches and their central role in complying with international aviation regulations further contribute to their status as the largest segment in the Airport Passenger Screening Systems market.

Breakup by End-User:

Civil Airports

Military Airports

Civil airports dominate the market

The report has provided a detailed breakup and analysis of the market based on the end-user. This includes civil airports and military airports. According to the report, civil airports represented the largest segment.

Civil airports handle commercial flights, accommodating millions of passengers annually. The demand for advanced passenger screening technologies in civil airports is driven by the imperative to ensure the safety and security of a diverse and constantly growing number of travelers. Passenger screening systems, carry-on screening technologies, and other security measures are essential to meet stringent regulatory requirements and to instill confidence in travelers. The emphasis on maintaining an efficient and smooth passenger experience, alongside robust security measures, propels civil airports to continually invest in cutting-edge screening solutions.

Military airports are crucial for defense and national security purposes, accommodating

military aircraft and personnel. The screening needs of military airports often extend beyond those of civil airports, encompassing specialized technologies tailored to military threats and requirements. While metal and explosive detection systems remain relevant, military airports might also prioritize technologies capable of identifying unconventional threats and detecting specific materials relevant to defense operations. The unique nature of military airport operations results in a niche demand for advanced screening systems that align with their specific security mandates.

Breakup by Region:

North America

Europe

Asia Pacific

Latin America

Middle East and Africa

North America exhibits a clear dominance in the market

The report has also provided a comprehensive analysis of all the major regional markets, which include North America, Europe, Asia Pacific, Latin America and the Middle East and Africa. According to the report, North America was the largest market.

North America's extensive air travel network, encompassing numerous major international airports handling substantial passenger volumes. The heightened security concerns following incidents such as the September 11 attacks have led to stringent regulatory measures and increased investments in advanced screening technologies. Additionally, North America's commitment to technological innovation and substantial research and development activities in the field of aviation security have propelled the adoption of cutting-edge screening systems. The region's economic prosperity, coupled with a strong focus on maintaining a secure and efficient air travel environment, has fostered a robust demand for state-of-the-art screening solutions, positioning North America at the forefront of the global Airport Passenger Screening Systems market.

Competitive Landscape:

Leading companies have heavily invested in research and development to introduce cutting-edge technologies that offer improved detection accuracy, faster throughput, and enhanced passenger experience. Collaboration with technology providers, academic institutions, and research centers has facilitated the integration of artificial intelligence, machine learning, and data analytics into screening systems, resulting in more sophisticated threat detection algorithms. Additionally, strategic partnerships with airports and aviation authorities have enabled key players to tailor their solutions to meet specific security requirements, ensuring seamless integration into existing airport operations. Moreover, the continuous refinement of screening technologies to address emerging threats, such as non-metallic explosives, has been a focal point for innovation.

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

Analogic Corporation

CEIA S.p.A.

Cobalt Light Systems

Garrett Metal Detectors

Ketech Systems Ltd.

Kromek Group PLC

L-3 Security & Detection Systems Inc.

Morpho Detection Inc.

Optosecurity Inc.

Rapiscan System Ltd.

Reveal Imaging Technologies Inc.

Smiths Detection

Key Questions Answered in This Report

- 1.What are alternators?
- 2.How big is the alternators market?
- 3.What is the expected growth rate of the global alternators market during 2025-2033?
- 4.

What are the key factors driving the global alternators market?

- 5.What is the leading segment of the global alternators market based on the type?
- 6.What is the leading segment of the global alternators market based on voltage?
- 7.What is the leading segment of the global alternators market based on rated power?
- 8.What is the leading segment of the global alternators market based on application?
- 9.What is the leading segment of the global alternators market based on speed?
- 10.What is the leading segment of the global alternators market based on weight?
- 11.What is the leading segment of the global alternators market based on end-use sector?
- 12.What is the leading segment of the global alternators market based on fuel used?
- 13.What are the key regions in the global alternators market?
- 14.Who are the key players/companies in the global alternators 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 ALOE VERA INDUSTRY

- 5.1 Market Overview
- 5.2 Market Performance
 - 5.2.1 Volume Trends
 - 5.2.2 Value Trends
- 5.3 Impact of COVID-19
- 5.4 Price Analysis
 - 5.4.1 Key Price Indicators
 - 5.4.2 Price Structure
 - 5.4.3 Price Trends
- 5.5 Market Breakup by Product
- 5.6 Market Breakup by Form
- 5.7 Market Breakup by Application
- 5.8 Market Breakup by Region
- 5.9 Market Forecast

5.10 SWOT Analysis

5.10.1 Overview

5.10.2 Strengths

5.10.3 Weaknesses

5.10.4 Opportunities

5.10.5 Threats

5.11 Value Chain Analysis

5.11.1 Raw Material Procurement

5.11.2 Manufacturing

5.11.3 Marketing

5.11.4 Distribution

5.11.5 Exports

5.11.6 End-Use

5.12 Porter's Five Forces Analysis

5.12.1 Overview

5.12.2 Bargaining Power of Buyers

5.12.3 Bargaining Power of Suppliers

5.12.4 Degree of Competition

5.12.5 Threat of New Entrants

5.12.6 Threat of Substitutes

5.13 Key Market Drivers and Success Factors

6 MARKET BREAKUP BY PRODUCT

6.1 Aloe Vera Gel Extract

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Aloe Vera Whole Leaf Extract

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Others

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY FORM

7.1 Concentrates

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Gels

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Drinks

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Powders

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Capsules

7.5.1 Market Trends

7.5.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Pharmaceutical Industry

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Cosmetic Industry

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Food Industry

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 Thailand

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Mexico

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Dominican Republic

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 United States

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Costa Rica

9.5.1 Market Trends

9.5.2 Market Forecast

9.6 Others

9.6.1 Market Trends

9.6.2 Market Forecast

10 COMPETITIVE LANDSCAPE

10.1 Market Structure

10.2 Key Players

11 ALOE VERA GEL MANUFACTURING PROCESS

11.1 Product Overview

11.2 Detailed Process Flow

11.3 Various Types of Unit Operations Involved

11.4 Mass Balance and Raw Material Requirements

12 PROJECT DETAILS, REQUIREMENTS AND COSTS INVOLVED

12.1 Land Requirements and Expenditures

12.2 Construction Requirements and Expenditures

12.3 Plant Layout

12.4 Plant Machinery

12.5 Machinery Pictures

12.6 Raw Material Requirements and Expenditures

12.7 Raw Material and Final Product Pictures

12.8 Packaging Requirements and Expenditures

12.9 Transportation Requirements and Expenditures

12.10 Utility Requirements and Expenditures

12.11 Manpower Requirements and Expenditures

12.12 Other Capital Investments

13 LOANS AND FINANCIAL ASSISTANCE

14 PROJECT ECONOMICS

14.1 Capital Cost of the Project

14.2 Techno-Economic Parameters

14.3 Product Pricing and Margins Across Various Levels of the Supply Chain

14.4 Taxation and Depreciation

14.5 Income Projections

14.6 Expenditure Projections

14.7 Financial Analysis

14.8 Profit Analysis

15 KEY PLAYER PROFILES

List Of Tables

LIST OF TABLES

Table 1: Global: Aloe Vera Market: Key Industry Highlights, 2024 and 2033

Table 2: Global: Aloe Vera Market Forecast: Breakup by Product (in Million USD), 2025-2033

Table 3: Global: Aloe Vera Market Forecast: Breakup by Form (in Million USD), 2025-2033

Table 4: Global: Aloe Vera Market Forecast: Breakup by Application (in Million USD), 2025-2033

Table 5: Global: Aloe Vera Market Forecast: Breakup by Region (in Million USD), 2025-2033

Table 6: Global: Aloe Vera Market: Competitive Structure

Table 7: Global: Aloe Vera Market: Key Players

Table 8: Aloe Vera Gel Manufacturing Plant: Rental Cost (in USD)

Table 9: Aloe Vera Gel Manufacturing Plant: Costs Related to Machinery (in USD)

Table 10: Aloe Vera Gel Manufacturing Plant: Raw Material Requirements

Table 11: Aloe Vera Gel Manufacturing Plant: Costs Related to Salaries and Wages (in USD)

Table 12: Aloe Vera Gel Manufacturing Plant: Costs Related to Other Capital Investments (in USD)

Table 13: Aloe Vera Gel Manufacturing Plant: Details of Financial Assistance Offered by Financial Institutions

Table 14: Aloe Vera Gel Manufacturing Plant: Capital Costs (in USD)

Table 15: Aloe Vera Gel Manufacturing Plant: Techno-Economic Parameters

Table 16: Aloe Vera Gel Manufacturing Plant: Taxation and Depreciation (in USD)

Table 17: Aloe Vera Gel Manufacturing Plant: Income Projections (in USD)

Table 18: Aloe Vera Gel Manufacturing Plant: Expenditure Projections (in USD)

Table 19: Aloe Vera Gel Manufacturing Plant: Cash Flow Analysis Without Considering the Income Tax Liability (in USD)

Table 20: Aloe Vera Gel Manufacturing Plant: Cash Flow Analysis on Considering the Income Tax Liability (in USD)

Table 21: Aloe Vera Gel Manufacturing Plant: Profit and Loss Account (in USD)

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Aloe Vera Market: Major Drivers and Challenges
- Figure 2: Global: Aloe Vera Market: Volume Trends (in Million Tons), 2019-2024
- Figure 3: Global: Aloe Vera Market: Value Trends (in Million USD), 2019-2024
- Figure 4: Global: Aloe Vera Market: Average Price Trends (in USD/Ton), 2019-2024
- Figure 5: Aloe Vera Market: Price Structure
- Figure 6: Global: Aloe Vera Market: Production Breakup by Region (in %), 2024
- Figure 7: Global: Aloe Vera Market: Consumption Breakup by Product (in %), 2024
- Figure 8: Global: Aloe Vera Market: Consumption Breakup by Form (in %), 2024
- Figure 9: Global: Aloe Vera Market: Consumption Breakup by Application (in %), 2024
- Figure 10: Global: Aloe Vera Market: Consumption Breakup by Region (in %), 2024
- Figure 11: Global: Aloe Vera Market Forecast: Volume Trends (in Million Tons), 2025-2033
- Figure 12: Global: Aloe Vera Market Forecast: Value Trends (in Million USD), 2025-2033
- Figure 13: Global: Aloe Vera Industry: SWOT Analysis
- Figure 14: Global: Aloe Vera Industry: Value Chain Analysis
- Figure 15: Global: Aloe Vera Industry: Porter's Five Forces Analysis
- Figure 16: Thailand: Aloe Vera Market (in Million USD), 2019 & 2024
- Figure 17: Thailand: Aloe Vera Market Forecast (in Million USD), 2025-2033
- Figure 18: Mexico: Aloe Vera Market (in Million USD), 2019 & 2024
- Figure 19: Mexico: Aloe Vera Market Forecast (in Million USD), 2025-2033
- Figure 20: Dominican Republic: Aloe Vera Market (in Million USD), 2019 & 2024
- Figure 21: Dominican Republic: Aloe Vera Market Forecast (in Million USD), 2025-2033
- Figure 22: United States: Aloe Vera Market (in Million USD), 2019 & 2024
- Figure 23: United States: Aloe Vera Market Forecast (in Million USD), 2025-2033
- Figure 24: Costa Rica: Aloe Vera Market (in Million USD), 2019 & 2024
- Figure 25: Costa Rica: Aloe Vera Market Forecast (in Million USD), 2025-2033
- Figure 26: Others: Aloe Vera Market (in Million USD), 2019 & 2024
- Figure 27: Others: Aloe Vera Market Forecast (in Million USD), 2025-2033
- Figure 28: Global: Aloe Vera Market: Aloe Vera Gel Extract (in Million USD), 2019 & 2024
- Figure 29: Global: Aloe Vera Market Forecast: Aloe Vera Gel Extract (in Million USD), 2025-2033
- Figure 30: Global: Aloe Vera Market: Aloe Vera Whole Leaf Extract (in Million USD), 2019 & 2024

Figure 31: Global: Aloe Vera Market Forecast: Aloe Vera Whole Leaf Extract (in Million USD), 2025-2033

Figure 32: Global: Aloe Vera Market: Others (in Million USD), 2019 & 2024

Figure 33: Global: Aloe Vera Market Forecast: Others (in Million USD), 2025-2033

Figure 34: Global: Aloe Vera Concentrates Market (in Million USD), 2019 & 2024

Figure 35: Global: Aloe Vera Concentrates Market Forecast (in Million USD), 2025-2033

Figure 36: Global: Aloe Vera Gels Market (in Million USD), 2019 & 2024

Figure 37: Global: Aloe Vera Gels Market Forecast (in Million USD), 2025-2033

Figure 38: Global: Aloe Vera Drinks Market (in Million USD), 2019 & 2024

Figure 39: Global: Aloe Vera Drinks Market Forecast (in Million USD), 2025-2033

Figure 40: Global: Aloe Vera Powders Market (in Million USD), 2019 & 2024

Figure 41: Global: Aloe Vera Powders Market Forecast (in Million USD), 2025-2033

Figure 42: Global: Aloe Vera Capsules Market (in Million USD), 2019 & 2024

Figure 43: Global: Aloe Vera Capsules Market Forecast (in Million USD), 2025-2033

Figure 44: Global: Aloe Vera Market: Pharmaceutical Industry (in Million USD), 2019 & 2024

Figure 45: Global: Aloe Vera Market Forecast: Pharmaceutical Industry (in Million USD), 2025-2033

Figure 46: Global: Aloe Vera Market: Cosmetic Industry (in Million USD), 2019 & 2024

Figure 47: Global: Aloe Vera Market Forecast: Cosmetic Industry (in Million USD), 2025-2033

Figure 48: Global: Aloe Vera Market: Food Industry (in Million USD), 2019 & 2024

Figure 49: Global: Aloe Vera Market Forecast: Food Industry (in Million USD), 2025-2033

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