

Smart Vending Machines Market Forecasts to 2032 – Global Analysis By Type (Free-standing Vending Machines, Wall-mounted/Countertop Vending Machines, Customized Vending Machines, Compact Vending Machines, and Other Types), Product Dispensed, Technology, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Smart Vending Machines Market is accounted for \$5.34 billion in 2025 and is expected to reach \$10.62 billion by 2032 growing at a CAGR of 10.3% during the forecast period. Smart vending machines are advanced, automated retail devices that use technologies like IoT, AI, and cashless payment systems to enhance customer convenience and operational efficiency. Unlike traditional vending machines, they offer real-time inventory tracking, personalized recommendations, and remote management. These machines can sell a variety of products, from snacks to electronics, and often feature touchscreens and mobile connectivity, creating an interactive and seamless shopping experience for consumers.

According to a 2020 Mastercard survey, 79% of people worldwide prefer contactless payments, indicating a strong trend toward reducing physical contact in daily transactions.

Market Dynamics:

Driver:

Increased demand for contactless transactions

Smart vending machines are witnessing surging demand driven by the global preference for touch-free and hygienic shopping experiences. Consumers are increasingly adopting cashless and mobile payment solutions, spurred by technological advancements in digital transactions. The pandemic accelerated this behavioural shift, pushing retailers and brands to adapt rapidly. Contactless vending reduces human interaction, ensuring safety and convenience for users. This trend is expected to sustain long-term growth as digital payment ecosystems mature.

Restraint:

Limited internet connectivity in remote areas

Many smart vending systems rely on real-time data transmission, which becomes problematic in areas with poor internet penetration. The lack of stable connectivity hinders machine uptime and affects transaction processing. Retailers operating in these regions are often discouraged from investing due to maintenance complexity. Additionally, integration with cloud-based inventory systems becomes challenging without consistent network access. These limitations could restrain widespread adoption across less-developed regions.

Opportunity:

Growing urbanization and busy lifestyles

Rapid urbanization is creating demand for efficient, 24/7 retail alternatives in city environments. As consumers juggle busy schedules, smart vending machines offer an ideal on-the-go solution for food, beverages, and even electronics. These machines can be strategically placed in high-footfall areas such as office parks, metro stations, and apartment complexes. Moreover, smart features like nutritional information display and multilingual interfaces cater to a diverse population. This urban consumption trend presents strong growth potential for innovative vending models.

Threat:

High competition from e-commerce and convenience stores

E-commerce platforms offer broader product selection and home delivery, appealing to tech-savvy customers. Convenience stores, on the other hand, are rapidly expanding

and often provide better customer service and flexible payment options. Pricing pressure from online promotions can also affect vending profitability. Additionally, product turnover in vending machines may not match the freshness or variety available in physical stores. These market dynamics pose significant challenges for vending machine operators.

Covid-19 Impact

The COVID-19 pandemic significantly influenced vending machine adoption by shifting focus toward contactless retailing. As foot traffic decreased in traditional stores, vending machines became viable alternatives for quick and safe purchases. Lockdowns underscored the value of unattended sales models, particularly for essential goods. The post-pandemic environment continues to support these trends, with businesses investing in remote-monitoring and AI-enhanced vending solutions. Consumer demand for minimal-contact convenience remains high, reinforcing the sector's resilience.

The telemetry systems segment is expected to be the largest during the forecast period

The telemetry systems segment is expected to account for the largest market share during the forecast period, due to its central role in operational optimization. These systems allow real-time tracking of inventory, machine status, and sales performance. Retailers can proactively manage restocking schedules, minimizing downtime and maximizing profit. Telemetry also enables remote troubleshooting and predictive maintenance, reducing service costs. Enhanced analytics offer insights into consumer behaviour, enabling data-driven decision-making.

The retail stores segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the retail stores segment is predicted to witness the highest growth rate, due to evolving consumer expectations and expanding deployment strategies. Retailers are leveraging vending machines as extensions of their physical stores, enhancing reach and brand visibility. Smart vending allows stores to operate round-the-clock in satellite locations without staffing. Integration with loyalty programs and digital wallets enhances customer retention. This flexibility supports aggressive growth in retail-based vending deployments.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to its large population, urban infrastructure, and tech adoption. Countries like China, Japan, and South Korea are early adopters of advanced vending technologies. Increasing smartphone penetration and digital payment platforms have created an ideal environment for vending innovation. Rising middle-class income and consumer demand for convenience are fuelling machine placements in diverse locations.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, owing to strong consumer appetite for innovation and automation. High labour costs are encouraging businesses to adopt smart vending as a cost-effective retail solution. The presence of tech-forward start-ups and established players is accelerating innovation and product diversification. Additionally, widespread mobile payment use supports seamless transaction experiences.

Key players in the market

Some of the key players profiled in the Smart Vending Machines Market include Fuji Electric, Royal Vendors, Bianchi Vending Group, Seaga Manufacturing, Crane Merchandising Systems, Jofemar, Azkoyen Group, Vendolite, Sanden Vendo, Westomatic Vending Services, Crane Co, Cantaloupe Inc, Rheavendors Group, Daalchini Technologies, Evoca Group, and Vendekin.

Key Developments:

In June 2025, Royal Vending, a market leader in Australia & New Zealand, has officially launched its UK operations — delivering a new generation of Smart AI Fridges and Vending Machines that combine intelligent automation, sleek design, and total convenience.

In November 2022, Seaga Manufacturing, Inc. (“Seaga”), the leading platform for innovative Automatic Retail Dispensing and modular Intelligent Inventory Control Solutions, serving the Food and Beverage, Industrial, Water Filtration and Healthcare Markets, announced today that it completed the acquisition of Automated Merchandising Systems.

Types Covered:

Free-standing Vending Machines

Wall-mounted/Countertop Vending Machines

Customized Vending Machines

Compact Vending Machines

Other Types

Product Dispensed Covered:

Snacks

Beverages

Pharmaceuticals

Books & Stationery

Personal Care Products

Electronics

Confections

Food

Other Products

Technologies Covered:

Telemetry Systems

Voice Recognition

Cashless Payment Systems

AI & Machine Learning

Remote Management Software

Touchscreen Interface

Other Technologies

Applications Covered:

Retail Stores

Offices & Workplaces

Hospitals & Healthcare Facilities

Malls and Shopping Centers

Educational Institutions

Industrial Sites

Airports & Transit Stations

Hotels & Hospitality

Manufacturing

Entertainment

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Technology Analysis
- 3.7 Application Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL SMART VENDING MACHINES MARKET, BY TYPE

- 5.1 Introduction
- 5.2 Free-standing Vending Machines
- 5.3 Wall-mounted/Countertop Vending Machines
- 5.4 Customized Vending Machines
- 5.5 Compact Vending Machines
- 5.6 Other Types

6 GLOBAL SMART VENDING MACHINES MARKET, BY PRODUCT DISPENSED

- 6.1 Introduction
- 6.2 Snacks
- 6.3 Beverages
- 6.4 Pharmaceuticals
- 6.5 Books & Stationery
- 6.6 Personal Care Products
- 6.7 Electronics
- 6.8 Confections
- 6.9 Food
- 6.10 Other Products

7 GLOBAL SMART VENDING MACHINES MARKET, BY TECHNOLOGY

- 7.1 Introduction
- 7.2 Telemetry Systems
- 7.3 Voice Recognition
- 7.4 Cashless Payment Systems
 - 7.4.1 NFC
 - 7.4.2 Mobile Wallets
 - 7.4.3 QR Code
- 7.5 AI & Machine Learning
- 7.6 Remote Management Software
- 7.7 Touchscreen Interface
- 7.8 Other Technologies

8 GLOBAL SMART VENDING MACHINES MARKET, BY APPLICATION

- 8.1 Introduction

- 8.2 Retail Stores
- 8.3 Offices & Workplaces
- 8.4 Hospitals & Healthcare Facilities
- 8.5 Malls and Shopping Centers
- 8.6 Educational Institutions
- 8.7 Industrial Sites
- 8.8 Airports & Transit Stations
- 8.9 Hotels & Hospitality
- 8.10 Manufacturing
- 8.11 Entertainment
- 8.12 Other Applications

9 GLOBAL SMART VENDING MACHINES MARKET, BY GEOGRAPHY

- 9.1 Introduction
- 9.2 North America
 - 9.2.1 US
 - 9.2.2 Canada
 - 9.2.3 Mexico
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.2 UK
 - 9.3.3 Italy
 - 9.3.4 France
 - 9.3.5 Spain
 - 9.3.6 Rest of Europe
- 9.4 Asia Pacific
 - 9.4.1 Japan
 - 9.4.2 China
 - 9.4.3 India
 - 9.4.4 Australia
 - 9.4.5 New Zealand
 - 9.4.6 South Korea
 - 9.4.7 Rest of Asia Pacific
- 9.5 South America
 - 9.5.1 Argentina
 - 9.5.2 Brazil
 - 9.5.3 Chile
 - 9.5.4 Rest of South America

9.6 Middle East & Africa

- 9.6.1 Saudi Arabia
- 9.6.2 UAE
- 9.6.3 Qatar
- 9.6.4 South Africa
- 9.6.5 Rest of Middle East & Africa

10 KEY DEVELOPMENTS

- 10.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 10.2 Acquisitions & Mergers
- 10.3 New Product Launch
- 10.4 Expansions
- 10.5 Other Key Strategies

11 COMPANY PROFILING

- 11.1 Fuji Electric
- 11.2 Royal Vendors
- 11.3 Bianchi Vending Group
- 11.4 Seaga Manufacturing
- 11.5 Crane Merchandising Systems
- 11.6 Jofemar
- 11.7 Azkoyen Group
- 11.8 Vendolite
- 11.9 Sanden Vendo
- 11.10 Westomatic Vending Services
- 11.11 Crane Co
- 11.12 Cantaloupe Inc
- 11.13 Rheavendors Group
- 11.14 Daalchini Technologies
- 11.15 Evoca Group
- 11.16 Vendekin

List Of Tables

LIST OF TABLES

Table 1 Global Smart Vending Machines Market Outlook, By Region (2024-2032) (\$MN)

Table 2 Global Smart Vending Machines Market Outlook, By Type (2024-2032) (\$MN)

Table 3 Global Smart Vending Machines Market Outlook, By Free-standing Vending Machines (2024-2032) (\$MN)

Table 4 Global Smart Vending Machines Market Outlook, By Wall-mounted/Countertop Vending Machines (2024-2032) (\$MN)

Table 5 Global Smart Vending Machines Market Outlook, By Customized Vending Machines (2024-2032) (\$MN)

Table 6 Global Smart Vending Machines Market Outlook, By Compact Vending Machines (2024-2032) (\$MN)

Table 7 Global Smart Vending Machines Market Outlook, By Other Types (2024-2032) (\$MN)

Table 8 Global Smart Vending Machines Market Outlook, By Product Dispensed (2024-2032) (\$MN)

Table 9 Global Smart Vending Machines Market Outlook, By Snacks (2024-2032) (\$MN)

Table 10 Global Smart Vending Machines Market Outlook, By Beverages (2024-2032) (\$MN)

Table 11 Global Smart Vending Machines Market Outlook, By Pharmaceuticals (2024-2032) (\$MN)

Table 12 Global Smart Vending Machines Market Outlook, By Books & Stationery (2024-2032) (\$MN)

Table 13 Global Smart Vending Machines Market Outlook, By Personal Care Products (2024-2032) (\$MN)

Table 14 Global Smart Vending Machines Market Outlook, By Electronics (2024-2032) (\$MN)

Table 15 Global Smart Vending Machines Market Outlook, By Confections (2024-2032) (\$MN)

Table 16 Global Smart Vending Machines Market Outlook, By Food (2024-2032) (\$MN)

Table 17 Global Smart Vending Machines Market Outlook, By Other Products (2024-2032) (\$MN)

Table 18 Global Smart Vending Machines Market Outlook, By Technology (2024-2032) (\$MN)

Table 19 Global Smart Vending Machines Market Outlook, By Telemetry Systems (2024-2032) (\$MN)

Table 20 Global Smart Vending Machines Market Outlook, By Voice Recognition (2024-2032) (\$MN)

Table 21 Global Smart Vending Machines Market Outlook, By Cashless Payment Systems (2024-2032) (\$MN)

Table 22 Global Smart Vending Machines Market Outlook, By NFC (2024-2032) (\$MN)

Table 23 Global Smart Vending Machines Market Outlook, By Mobile Wallets (2024-2032) (\$MN)

Table 24 Global Smart Vending Machines Market Outlook, By QR Code (2024-2032) (\$MN)

Table 25 Global Smart Vending Machines Market Outlook, By AI & Machine Learning (2024-2032) (\$MN)

Table 26 Global Smart Vending Machines Market Outlook, By Remote Management Software (2024-2032) (\$MN)

Table 27 Global Smart Vending Machines Market Outlook, By Touchscreen Interface (2024-2032) (\$MN)

Table 28 Global Smart Vending Machines Market Outlook, By Other Technologies (2024-2032) (\$MN)

Table 29 Global Smart Vending Machines Market Outlook, By Application (2024-2032) (\$MN)

Table 30 Global Smart Vending Machines Market Outlook, By Retail Stores (2024-2032) (\$MN)

Table 31 Global Smart Vending Machines Market Outlook, By Offices & Workplaces (2024-2032) (\$MN)

Table 32 Global Smart Vending Machines Market Outlook, By Hospitals & Healthcare Facilities (2024-2032) (\$MN)

Table 33 Global Smart Vending Machines Market Outlook, By Malls and Shopping Centers (2024-2032) (\$MN)

Table 34 Global Smart Vending Machines Market Outlook, By Educational Institutions (2024-2032) (\$MN)

Table 35 Global Smart Vending Machines Market Outlook, By Industrial Sites (2024-2032) (\$MN)

Table 36 Global Smart Vending Machines Market Outlook, By Airports & Transit Stations (2024-2032) (\$MN)

Table 37 Global Smart Vending Machines Market Outlook, By Hotels & Hospitality (2024-2032) (\$MN)

Table 38 Global Smart Vending Machines Market Outlook, By Manufacturing (2024-2032) (\$MN)

Table 39 Global Smart Vending Machines Market Outlook, By Entertainment (2024-2032) (\$MN)

Table 40 Global Smart Vending Machines Market Outlook, By Other Applications
(2024-2032) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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