

# **Canning Machine Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Machine Type (Automatic Canning, Semi-Automatic Canning, Manual Canning, Laboratory Canning), By End-User (Food & Beverage, Pharmaceutical, Cosmetic, Chemical), By Can Type (Metal Cans, Glass Cans, Plastic Cans, Composite Cans), By Region & Competition, 2020-2030F**

<https://marketpublishers.com/r/C85C9B7B379AEN.html>

Date: September 2025

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: C85C9B7B379AEN

## **Abstracts**

### Market Overview

The Canning Machine Market was valued at USD 5.07 Billion in 2024 and is expected to reach USD 6.77 Billion by 2030 with a CAGR of 4.77%. The Canning Machine Market encompasses the manufacturing, sale, and deployment of automated and semi-automated equipment designed for the sealing and preservation of food and beverages in metal cans, offering extended shelf life, product safety, and operational efficiency. Canning machines are integral to the food and beverage processing industry, providing solutions for packaging liquids, semi-solids, and solids, including beverages, dairy products, canned vegetables, meat, seafood, and ready-to-eat meals.

These machines are engineered to handle diverse can sizes, shapes, and materials, incorporating technologies such as rotary sealing, double seaming, vacuum sealing, and sterilization to ensure airtight packaging and maintain product integrity. Modern canning systems integrate advanced features such as high-speed production capabilities, precision filling, automated lid placement, and quality inspection systems to minimize product waste and ensure consistent performance across high-volume

operations. The market includes a variety of equipment types, ranging from standalone can seamers, fillers, and sterilizers to fully integrated production lines capable of end-to-end can processing, filling, sealing, and labeling.

Growing demand for canned products driven by increasing urbanization, evolving consumer lifestyles, and the need for convenient, ready-to-consume foods is a significant factor propelling market growth. Additionally, the food and beverage industry's focus on reducing contamination risks, improving food safety standards, and complying with regulatory frameworks around packaging hygiene and shelf-life extension further fuels adoption of canning machines. Technological advancements, including automation, Internet of Things (IoT)-enabled monitoring, and robotics, are enhancing operational efficiency, reducing labor dependency, and enabling real-time monitoring of production processes, making canning machines more reliable and cost-effective.

## Key Market Drivers

### Rising Demand for Packaged and Processed Foods

The global increase in demand for packaged and processed foods is a primary driver of growth in the canning machine market. Consumers are increasingly seeking convenience in their daily diets, favoring ready-to-eat, pre-packaged, and long-shelf-life food products that can be easily stored, transported, and consumed with minimal preparation. Urbanization, busy lifestyles, and a growing working population are contributing to this shift, as households rely more on canned foods and beverages for their nutritional and time-saving benefits.

Canning machines play a critical role in enabling manufacturers to meet these demands efficiently, providing high-speed, automated solutions capable of handling large-scale production while ensuring product safety and quality. Furthermore, the foodservice industry, including restaurants, catering services, and institutional kitchens, is increasingly incorporating canned ingredients due to their consistent quality, reliability, and ease of storage, further boosting the requirement for sophisticated canning equipment. The ability of modern canning machines to handle a diverse range of products, from fruits, vegetables, and meats to beverages and sauces, also supports manufacturers in expanding their product portfolios and entering new markets.

Technological advancements in canning equipment, such as enhanced sealing mechanisms, automated filling, and sterilization processes, allow producers to maintain

high hygiene standards and meet stringent regulatory requirements for food safety. This trend is particularly relevant in regions with emerging middle-class populations, where increased disposable income is driving consumption of packaged foods. Additionally, the global trend toward online grocery retail and e-commerce platforms is creating additional opportunities for canned food products that offer durability, ease of shipping, and longer shelf life, further fueling demand for efficient canning machinery.

As a result, food and beverage manufacturers are increasingly investing in advanced canning solutions that can handle high throughput, reduce production downtime, and ensure product consistency. The scalability and versatility offered by modern canning machines are enabling manufacturers to respond rapidly to seasonal demand fluctuations, promotional campaigns, and product diversification strategies.

By integrating automated quality control, real-time monitoring, and energy-efficient operations, canning machines are not only supporting increased production volumes but also helping companies achieve cost efficiency, reduce material waste, and enhance overall operational productivity.

Consequently, the rising consumption of packaged and processed foods across global markets is driving sustained investments in canning technology, positioning the canning machine market for continued growth as manufacturers strive to meet evolving consumer preferences and regulatory requirements. Global packaged food consumption is expected to reach over 2.5 billion tons annually by 2026. Processed foods are anticipated to account for around 45% of total food sales worldwide by 2025. Convenience-focused packaged products, including ready-to-eat meals, are projected to serve more than 1.2 billion consumers globally by 2026. Beverage packaging demand, including juices and energy drinks, is expected to exceed 300 billion units per year worldwide by 2027. Expansion in urban populations and retail penetration is driving packaged food adoption in over 70 countries globally.

## Key Market Challenges

### High Capital Investment and Operational Costs

One of the primary challenges facing the canning machine market is the high capital investment required to acquire advanced canning machinery, particularly automated and high-speed systems designed for large-scale production. These machines often involve complex engineering, precision components, and integration with other production line equipment, which significantly drives up initial procurement costs. For

small- and medium-sized enterprises, the upfront expenditure can be prohibitive, limiting their ability to adopt the latest technologies that enhance efficiency and productivity.

Beyond the initial investment, operational and maintenance costs further intensify the financial burden. Canning machines require routine maintenance, replacement of specialized parts, and technical expertise to ensure consistent performance. In regions where skilled labor is scarce or costly, companies may face additional operational hurdles, including machine downtime and reduced output, which can directly impact profitability. Energy consumption also contributes to operational expenses, as high-speed canning lines often require substantial electricity and compressed air to function optimally.

Furthermore, integrating canning machines with upstream and downstream processes, such as filling, sealing, labeling, and packaging, necessitates additional investments in compatible automation and monitoring systems. The complexity of installation and commissioning can lead to extended lead times, delaying return on investment for manufacturers. Financing such capital-intensive projects may involve loans or leasing agreements, increasing financial exposure and risk, particularly in volatile economic conditions.

For companies operating in emerging markets, fluctuating currency values, import duties, and taxes on machinery can further amplify costs, making it challenging to scale production while maintaining competitive pricing. As a result, companies must carefully weigh the trade-offs between investing in cutting-edge canning technology and managing operational expenditure, balancing short-term financial constraints with long-term efficiency gains.

The combination of high capital expenditure, operational costs, and the need for skilled personnel represents a significant barrier to entry, particularly for smaller players, potentially limiting market expansion and slowing technology adoption across the global canning industry.

## Key Market Trends

### Automation and Smart Manufacturing in Canning Machines

The canning machine market is witnessing a significant shift toward automation and smart manufacturing, driven by the need to enhance operational efficiency, reduce labor dependency, and maintain consistent product quality. Advanced machines now

integrate real-time monitoring, IoT-enabled sensors, and predictive maintenance systems that enable manufacturers to detect faults before they occur, minimizing downtime and production losses. Automation not only accelerates throughput but also ensures precise control over filling, sealing, and labeling processes, which is particularly critical for food and beverage safety and compliance with international standards.

Furthermore, the adoption of Industry 4.0 technologies allows for seamless integration with enterprise resource planning (ERP) systems, providing manufacturers with valuable data insights to optimize production schedules, inventory management, and supply chain logistics. In addition to boosting efficiency, automated canning solutions help companies address rising labor costs, improve workplace safety, and meet increasing consumer demand for high-quality, packaged products.

The combination of robotics, AI-driven process optimization, and real-time analytics is transforming canning lines into fully connected, smart systems capable of handling complex production requirements while maintaining flexibility for product customization. With manufacturers increasingly investing in retrofitting older lines with smart technologies, the market for automated and intelligent canning machines is expanding rapidly across regions, particularly in Asia-Pacific and North America, where industrial modernization and high production volumes are key drivers.

### Key Market Players

Krones AG

Tetra Pak International S.A.

GEA Group AG

Bosch Packaging Technology (Syntegon Technology)

KHS GmbH

Italian Food Technology Srl

CFT Group

JBT Corporation

Sidel Group

ACMA S.p.A.

### Report Scope:

In this report, the Global Canning Machine Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Canning Machine Market, By Machine Type:

Automatic Canning

Semi-Automatic Canning

Manual Canning

Laboratory Canning

#### Canning Machine Market, By End-User:

Food & Beverage

Pharmaceutical

Cosmetic

Chemical

#### Canning Machine Market, By Can Type:

Metal Cans

Glass Cans

Plastic Cans

## Composite Cans

### Canning Machine Market, By Region:

#### North America

United States

Canada

Mexico

#### Europe

France

United Kingdom

Italy

Germany

Spain

#### Asia-Pacific

China

India

Japan

Australia

South Korea

#### South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the Global Canning Machine Market.

Available Customizations:

Global Canning Machine Market report with the given Market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional Market players (up to five).

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