

# **Automatic Feeding Machine Market Forecasts to 2030 – Global Analysis By Type (Stationary Feeding Systems and Mobile Feeding Systems), Component, Livestock, Technology, End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Automatic Feeding Machine Market is accounted for \$6.72 billion in 2024 and is expected to reach \$10.49 billion by 2030 growing at a CAGR of 9.8% during the forecast period. An automatic feeding machine is a mechanized device designed to dispense food or raw materials to animals, production lines, or processing units without manual intervention. These machines enhance efficiency, reduce labour costs, and ensure consistent feeding schedules. Automatic feeders may utilize sensors, timers, or IoT integration for smart control. They can be programmed to release precise amounts of feed at specific intervals. They improve productivity, reduced waste, and better nutrition management, making them essential in modern agriculture and manufacturing industries.

According to a poll conducted in Europe, nearly 52% of pet owners in big cities depend on automated feeders to take of their pets.

Market Dynamics:

Driver:

Increasing livestock production

As farmers seek efficient, cost-effective solutions to enhance productivity, automatic feeding machines are gaining traction. These machines optimize feed distribution, reduce labor costs, minimize waste, and improve animal nutrition. Large-scale farms

and commercial livestock operations increasingly adopt automation to meet high demand while ensuring sustainability. Additionally, technological advancements, such as IoT-enabled smart feeders, further boost market growth.

#### Restraint:

##### Technical challenges

Automatic feeding machines face technical challenges such as high initial costs, system malfunctions, complex maintenance, and integration issues with existing farm infrastructure. These machines require advanced sensors, IoT connectivity, and precise calibration, which can lead to operational inefficiencies if not properly managed. Further, limited technical expertise and lack of standardization also slow widespread adoption, affecting the market's expansion.

#### Opportunity:

##### Integration with smart farming practices

Technologies like IoT, AI, and data analytics enable automated feeders to optimize feed distribution based on livestock needs, reducing waste and improving animal health. Smart sensors monitor consumption patterns, adjusting portions in real-time. These advancements lower labor costs, enhance productivity, and support large-scale farming. The demand for precision agriculture, coupled with increasing food production needs, is accelerating the demand of automatic feeding machines, making them essential for modern, tech-driven farming operations.

#### Threat:

##### High initial investments

Automatic feeding machines require high initial investments due to advanced technology, automation components, IoT integration, and precision engineering. Costs include machinery, installation, software, and maintenance, making them expensive for small and mid-sized farmers or businesses. These financial barriers hamper market growth by limiting adoption, especially in developing regions with budget constraints.

#### Covid-19 Impact:

The covid-19 pandemic significantly impacted the automatic feeding machine market. Global lockdowns led to halted production and project delays, causing a decline in demand. Farmers faced economic challenges due to disruptions in dairy and meat industries, further reducing investments in automated feeding systems. However, as restrictions eased, consumption of dairy and meat products began to rise, suggesting a potential recovery and renewed demand for automatic feeding machines in the future.

The feed storage units segment is expected to be the largest during the forecast period

The feed storage units segment is expected to account for the largest market share during the forecast period. Feed storage units are essential components of automatic feeding systems, designed to store and protect livestock feed from contamination, spoilage, and pests. They come in various types, including silos, bins, and hoppers, made from materials like stainless steel or reinforced plastic. These units ensure a consistent feed supply, maintaining optimal nutrition levels for livestock.

The commercial livestock farms segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the commercial livestock farms segment is predicted to witness the highest growth rate. Automatic feeding machines in commercial livestock farms enhance efficiency by automating feed distribution, ensuring precise portions, reducing waste, and optimizing animal nutrition. These systems cater to dairy and beef cattle, poultry, swine, and aquaculture, improving productivity and reducing labour costs. They support large-scale operations, enhancing herd health and growth rates.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share owing to the increasing adoption of automation in agriculture and livestock management. Farmers in the region are turning to automated feeding systems to enhance efficiency, reduce labour costs, and improve animal health. Countries such as China, India, and Japan are leading this trend, reflecting a broader regional shift towards modernized agricultural operations. The rising awareness of livestock feeding management and the need to meet the growing demand for dairy and meat products in the region are accelerating the market expansion.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR driven by advancements in agricultural automation and a rising demand for efficient livestock management. The U.S. and Canada lead in adoption, particularly in dairy farms and poultry industries. The region is home for key players such as GEA Group, DeLaval, and Trioliet. Further, rising sustainability trends and smart farming solutions further propel market expansion.

### Key players in the market

Some of the key players in Automatic Feeding Machine market include AGCO Corporation, Sum-It Computer Systems, GEA Group, DeLaval Holding AB, BouMatic LLC, Fullwood Packo, Afimilk, VDL Agrotech, Pellon Group Oy, DairyMaster, Roxell, Cormall AS, Nidec Minster Corporation, KUHN S.A., Trioliet B.V., Fancor B.V., Rovibec Agrisolutions and Siloking Mayer Maschinenbau GmbH.

### Key Developments:

In December 2023, Nidec Minster Corporation announced the acquisition of the Automatic Feed Company, a leading designer and manufacturer of coil processing machinery and systems. This strategic move aims to enhance Nidec's capabilities in providing integrated manufacturing solutions.

In March 2023, DeLaval introduced the OptiWagon™, an autonomous feed distribution robot, as an integral component of its comprehensive automated feeding solution, DeLaval Optimat™. This system encompasses the entire feeding process, including weighing, cutting, mixing, and delivering feed to the feed table. This innovation aims to optimize the conversion of forage dry matter into milk, enhancing efficiency on dairy farms.

### Types Covered:

Stationary Feeding Systems

Mobile Feeding Systems

### Components Covered:

Feed Storage Units

Conveyor Systems

Mixing & Blending Equipment

Distributors & Dispensers

Control & Monitoring Systems

Other Components

**Livestocks Covered:**

Ruminants

Swine

Poultry

Fish & Aquaculture

Other Livestocks

**Technologies Covered:**

Automated & Robotic Feeding Systems

Sensor-based Feeding Systems

IoT-Enabled Smart Feeding Systems

Other Technologies

**End Users Covered:**

Farmers & Livestock Owners

Commercial Livestock Farms

Dairy Farms

Feed Processing Companies

Other End Users

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 2022, 2023, 2024, 2026, and 2030
- 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

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