

Global Egg Grading Machines Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Egg Grading Machines market size is expected to reach \$ 182 million by 2032, rising at a market growth of 3.0% CAGR during the forecast period (2026-2032).

Egg Grading Machines are specialized egg handling equipment used to classify eggs before packing, distribution, hatching, or further processing. These machines sort eggs according to weight, size, shell condition, cleanliness, cracks, and quality grade, helping producers improve product consistency, reduce manual handling, lower breakage rates, and increase packing efficiency.

In 2025, global Egg Grading Machines production reached approximately 4187 Units, with an average global market price of around US\$ 34 k per Unit.

The upstream supply chain of Egg Grading Machines mainly includes food-grade stainless steel, aluminum profiles, carbon-steel structural parts, engineering plastics, rubber rollers, food-grade conveyor belts, modular belts, bearings, chains, motors, etc. Representative global suppliers include Outokumpu, Acerinox, POSCO, Nippon Steel, Baosteel, Siemens, Schneider Electric, ABB, etc.

The downstream applications of Egg Grading Machines are mainly Chicken Farm and Egg Processing Factory. Representative downstream customers include large egg producers and integrated farming groups such as Cal-Maine Foods, Rose Acre Farms, Versova, Hillandale Farms, Herbruck's Poultry Ranch, Noble Foods, ISE Foods, CP Foods, etc.

The gross margin of Egg Grading Machines varies significantly by automation level, capacity, configuration, after-sales service content, and the degree of customization.

The gross margin range is generally about 20%-40%.

Product Type Analysis: Manual Egg Grading Machines are mainly used in small-scale or cost-sensitive operations where operators still handle loading, inspection, sorting, and packing, while the machine provides basic weighing or grading assistance. Semi-automatic Egg Grading Machines represent a transitional solution for producers that need higher efficiency than manual systems but do not yet require a fully integrated production line; these machines usually automate conveying, weighing, and grading while keeping some manual steps in egg loading, tray handling, or final packing. Fully Automatic Egg Grading Machines are the most advanced product type, integrating egg feeding, conveying, washing, drying, inspection, weighing, grading, coding, packing, and sometimes data traceability or robotic handling into a continuous system, making them suitable for large chicken farms and egg processing factories with high throughput and strict quality requirements.

Application Analysis: Chicken Farm is an important application scenario because farms need on-site grading to reduce labor intensity, separate different egg sizes, remove cracked or dirty eggs, and improve the quality consistency of eggs before delivery to wholesalers, retailers, or processing facilities. Egg Processing Factory is another major application area, where grading machines are usually integrated with washing, drying, inspection, coding, packing, carton handling, and logistics systems to support large-scale commercial egg packaging and processed egg supply chains. Compared with farm-side use, egg processing factories generally require higher automation, larger capacity, stronger food-safety design, better data management, and more flexible packaging compatibility.

Market Driving Factors: The market for Egg Grading Machines is driven by the modernization of chicken farms, rising labor costs, increasing demand for standardized egg quality, stronger food-safety and traceability requirements, and the expansion of large-scale egg processing factories. Growing retail and foodservice demand for uniform egg size and packaging quality also supports investment in grading equipment. At the same time, producers are increasingly adopting Semi-automatic Egg Grading Machines and Fully Automatic Egg Grading Machines to reduce manual handling, improve throughput, reduce egg breakage, and support digital production management. The development of optical inspection, crack detection, weighing sensors, coding systems, and automated packing technology is further improving the value of high-end grading machines. In emerging markets, farm consolidation and the shift from small-scale manual sorting to mechanized egg handling are creating additional replacement and first-time purchase demand.

Market Restraints: The market also faces several restraints, including high initial investment for Fully Automatic Egg Grading Machines, limited affordability for small chicken farms, and long payback periods when egg prices are volatile. Equipment maintenance, operator training, spare-parts availability, and after-sales service capability can also influence purchasing decisions, especially in developing regions. For smaller farms, Manual Egg Grading Machines or simple Semi-automatic Egg Grading Machines may remain sufficient, limiting the penetration speed of high-end systems. Product customization requirements for different egg sizes, packaging formats, farm layouts, and processing workflows can increase project complexity and delivery time. In addition, fluctuations in stainless steel, electronic components, sensors, motors, and control systems may affect production costs, while food-safety regulations and hygiene design requirements can raise technical barriers for manufacturers.

This report studies the global Egg Grading Machines production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Egg Grading Machines and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Egg Grading Machines that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Egg Grading Machines total production and demand, 2021-2032, (Units)

Global Egg Grading Machines total production value, 2021-2032, (USD Million)

Global Egg Grading Machines production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Egg Grading Machines consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Egg Grading Machines domestic production, consumption, key domestic manufacturers and share

Global Egg Grading Machines production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Egg Grading Machines production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Egg Grading Machines production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Egg Grading Machines market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include MOBA, Sanovo Group, NABEL, Prinzen, Kyowa Machinery, Seyang, Plasson Do Brasil, ZENYER, Mintai, Sime-Tek, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Egg Grading Machines market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Egg Grading Machines Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Egg Grading Machines Market, Segmentation by Type:

Manual Egg Grading Machines

Semi-automatic Egg Grading Machines

Fully Automatic Egg Grading Machines

Global Egg Grading Machines Market, Segmentation by Capacity:

Small-capacity Machines

Medium-capacity Machines

Large-capacity Machines

Global Egg Grading Machines Market, Segmentation by Sales Channel:

Direct Sales

Indirect Sales

Global Egg Grading Machines Market, Segmentation by Application:

Chicken Farm

Egg Processing Factory

Companies Profiled:

MOBA

Sanovo Group

NABEL

Prinzen

Kyowa Machinery

Seyang

Plasson Do Brasil

ZENYER

Mintai

Sime-Tek

V?LKER GmbH

EggTec Korea

Yamasa Brazil

Guangxing Group

Damtech

ZOREL

Riva Selegg

Key Questions Answered:

1. How big is the global Egg Grading Machines market?
2. What is the demand of the global Egg Grading Machines market?
3. What is the year over year growth of the global Egg Grading Machines market?
4. What is the production and production value of the global Egg Grading Machines market?
5. Who are the key producers in the global Egg Grading Machines market?
6. What are the growth factors driving the market demand?

Contents

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