

Global Fruit Grading Equipment Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Fruit Grading Equipment market size is expected to reach \$ 4282 million by 2032, rising at a market growth of 3.5% CAGR during the forecast period (2026-2032).

In 2025, global Fruit Grading Equipment production reached approximately 650 thousand units, with an average global market price of around US\$5000 per thousand units. Fruit Grading Equipment refers to machines, devices, or integrated processing systems used to sort and classify fruits according to specific quality standards such as size, weight, color, shape, maturity, surface defects, sweetness, firmness, or overall appearance.

The Fruit Grading Equipment market is a specialized segment of post-harvest agricultural machinery, covering manual tools, mechanical graders, conveyor-based sorting machines, weight graders, size graders, color sorters, optical inspection systems, and fully integrated fruit sorting, grading, washing, packing, and traceability lines. These systems are used to classify fruits according to size, weight, color, shape, maturity, surface defects, firmness, sweetness, and overall appearance, helping growers and packhouses improve product consistency, reduce labor dependence, lower grading errors, and increase the commercial value of fresh produce. The market serves orchards, fruit packing houses, agricultural cooperatives, fresh produce processors, export fruit facilities, cold-chain distribution centers, and supermarket supply chains. Demand is mainly driven by rising fruit consumption, stricter retail and export quality standards, labor shortages in post-harvest handling, expansion of commercial orchards, and the need to reduce waste by separating fruits into different value grades. The market structure ranges from low-cost manual gauges and small mechanical graders for small farms to high-end automated lines equipped with machine vision, optical sensors, LED lighting, artificial intelligence, weight sensors, defect detection, robotic handling,

and automatic packing systems. Optical sorting is becoming especially important because camera-based and sensor-based systems can detect color, shape, size, surface defects, and maturity more accurately than manual inspection, while automation helps improve throughput and consistency in packing operations. Upstream, the value chain includes stainless steel, aluminum, engineering plastics, rubber, belts, rollers, bearings, motors, gearboxes, conveyors, weighing cells, cameras, lighting modules, optical sensors, lasers, PLC controllers, software, pneumatic systems, washing brushes, water filtration components, and packaging-line accessories. Midstream participants include fruit sorting machine manufacturers, post-harvest equipment suppliers, food-processing automation companies, optical sorter producers, OEM/ODM assemblers, system integrators, and software providers. Manufacturing involves mechanical design, frame fabrication, conveyor assembly, weighing and sensing system installation, software calibration, grading algorithm setup, safety testing, and line integration. Downstream channels include agricultural machinery dealers, packhouse equipment distributors, fruit-processing engineering companies, cooperative procurement channels, government-supported agricultural modernization projects, and direct sales to large orchards and packing plants. End users include commercial fruit growers, packing houses, fresh produce exporters, agricultural cooperatives, fruit processors, cold-chain operators, and retailers that require standardized fruit quality. Future development will focus on automation, machine vision, AI-based defect recognition, multi-parameter grading, non-destructive quality testing, modular equipment design, data traceability, and integration with washing, waxing, drying, labeling, weighing, packing, and palletizing systems. Research and industry applications show that machine vision and deep learning can support fruit quality assessment, defect detection, ripeness estimation, and automated grading, which will push fruit grading equipment from simple size or weight classification toward intelligent quality evaluation. However, the market still faces challenges such as high capital cost, maintenance complexity, calibration requirements, fruit variety differences, limited affordability for small growers, and the need for reliable data and algorithms for different fruit types. Overall, Fruit Grading Equipment is evolving from basic mechanical sorting tools into intelligent post-harvest processing systems, with growth opportunities concentrated in commercial packhouses, export-oriented fruit supply chains, agricultural cooperatives, high-value fruit production, and regions accelerating fruit industry modernization.

This report studies the global Fruit Grading Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fruit Grading Equipment 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 Fruit Grading Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fruit Grading Equipment total production and demand, 2021-2032, (K Units)

Global Fruit Grading Equipment total production value, 2021-2032, (USD Million)

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

Global Fruit Grading Equipment consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Fruit Grading Equipment domestic production, consumption, key domestic manufacturers and share

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

Global Fruit Grading Equipment production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Fruit Grading Equipment production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Fruit Grading Equipment 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 TOMRA, GREEFA, Aweta, Unitec Group, MAF RODA, Ellips, ELISAM, Raytec Vision, Sormac, ICOEL, 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 Fruit Grading Equipment market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (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 Fruit Grading Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fruit Grading Equipment Market, Segmentation by Type:

Weight Grading Equipment

Size Grading Equipment

Other

Global Fruit Grading Equipment Market, Segmentation by Detection Technology:

Optical

Near-infrared

Global Fruit Grading Equipment Market, Segmentation by Application:

Fruit Packaging Factory

Fruit Processing Factory

Other

Companies Profiled:

TOMRA

GREEFA

Aweta

Unitec Group

MAF RODA

Ellips

ELISAM

Raytec Vision

Sormac

ICOEL

Burg's Machinefabriek

Futura

GP Graders

Ser.mac

Tolsma-Grisnich

Tong Engineering

Wyma Solutions

Key Technology

B?hler Group

Duravant / WECO

Anhui Jiexun Optoelectronic Technology Co., Ltd.

Hefei Taihe Intelligent Technology Group Co., Ltd.

Key Questions Answered:

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

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