

Global Fruit Sorting Machinery Market Size Study & Forecast, by Type (Optical Sorting Machines and Weight-Based Sorting Machines) and Regional Forecasts 2025-2035

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Abstracts

The Global Fruit Sorting Machinery Market is valued at approximately USD 4.303 billion in 2024 and is projected to expand at a robust compound annual growth rate of 6.32% over the forecast period 2025-2035. Fruit sorting machinery refers to advanced mechanical and sensor-based systems engineered to classify fruits based on predefined parameters such as size, weight, color, surface quality, and internal defects. These machines sit at the heart of modern post-harvest handling, enabling producers, processors, and exporters to streamline operations, minimize wastage, and consistently meet stringent quality benchmarks. As global food supply chains scale up and consumer expectations tilt toward visually perfect and safe produce, sorting machinery is increasingly being built into large-scale processing lines, thereby reinforcing its strategic relevance across the agri-food ecosystem.

Market momentum is being carried forward by a confluence of structural shifts, including rising global fruit consumption, the industrialization of agriculture, and the accelerating adoption of automation across food processing facilities. As labor availability becomes unpredictable and cost-intensive, producers are turning to intelligent sorting solutions to phase out manual inspection and drive throughput efficiencies. Additionally, export-oriented fruit growers are scaling up investments in advanced sorting technologies to comply with international grading standards and reduce rejection rates. The growing penetration of optical sensors, AI-driven defect detection, and integrated data analytics is further pushing the market forward, while sustainability-focused initiatives—aimed at reducing food loss across the value chain—continue to open up long-term growth avenues through 2035.

The detailed segments and sub-segments included in the report are:

By Type:

Optical Sorting Machines

Weight-Based Sorting Machines

Size-Based Sorting Machines

Color-Based Sorting Machines

Other Sorting Technologies

By Application:

Apples

Citrus Fruits

Berries

Tropical Fruits

Other Applications

By Capacity:

Small

Medium

Large

Very Large

Among applications, apples are expected to dominate the Global Fruit Sorting Machinery Market throughout the forecast horizon. Apple processing operations are highly volume-intensive and quality-sensitive, which naturally drives the need for precise, high-speed sorting systems capable of handling large throughput without compromising grading accuracy. The global trade of apples, combined with year-round storage and distribution requirements, has compelled producers to deploy advanced sorting machinery that can segregate fruit based on external appearance as well as internal defects. While citrus fruits and berries are gaining traction due to rising consumption, apples continue to anchor demand, supported by well-established supply chains and mechanized processing infrastructure across key producing regions.

From a revenue standpoint, optical sorting machines currently lead the market, accounting for the largest share of global revenues. These systems have emerged as the preferred choice due to their ability to integrate high-resolution cameras, near-infrared sensors, and machine learning algorithms to detect subtle defects that conventional systems often miss. As processors move away from basic size- and weight-based classification, optical technologies are being scaled up across medium and large-capacity facilities, particularly in export-driven markets. While other sorting technologies maintain relevance for niche applications and smaller operations, optical sorting machines are setting the pace in terms of technological sophistication, pricing power, and revenue contribution.

Regionally, North America holds a commanding position in the Global Fruit Sorting Machinery Market, underpinned by a highly mechanized agricultural sector, early adoption of automation technologies, and strong demand for premium-grade fruits. Europe follows closely, driven by strict food quality regulations, traceability mandates, and a mature fruit processing industry. Meanwhile, Asia Pacific is anticipated to register the fastest growth over the forecast period, as rapid urbanization, rising disposable incomes, and expanding cold-chain infrastructure push fruit processors in countries such as China and India to modernize post-harvest operations. Latin America and the Middle East & Africa are also witnessing steady adoption, supported by export-oriented farming and increasing investments in agri-processing facilities.

Major market players included in this report are:

TOMRA Systems ASA

Key Technology, Inc.

B?hler Group

Duravant LLC

Heat and Control, Inc.

Satake Corporation

Meyer Optoelectronic Technology

Aweta G&P

Unitec S.p.A.

Ellips B.V.

Maf Roda Agrobotic

Van Wamel B.V.

Raytec Vision S.p.A.

Navatta Group

BBC Technologies Ltd.

Global Fruit Sorting Machinery Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle

East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments and countries in recent years and to forecast their values for the coming years. The report blends qualitative insights with quantitative analysis to present a comprehensive view of the Global Fruit Sorting Machinery Market across the historical period of 2023–2024 and the forecast period of 2025–2035. It further examines key growth drivers, structural challenges, and emerging opportunities shaping the competitive landscape, while offering stakeholders a detailed understanding of technology trends, investment hotspots, and strategic pathways for long-term market positioning.

Key Takeaways:

Market estimates and forecasts for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

In-depth geographical analysis with country-level insights across major regions.

Competitive landscape highlighting leading companies and strategic initiatives.

Evaluation of key business strategies with recommendations for future market approaches.

Comprehensive demand-side and supply-side assessment of the market.

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