

# Global AI Color Sorter Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global AI Color Sorter market size was valued at US\$ 733 million in 2025 and is forecast to a readjusted size of US\$ 1383 million by 2032 with a CAGR of 9.4% during review period.

AI color sorter is a modern device that integrates advanced artificial intelligence technology, high-precision optical sensors, and high-speed data processing systems. Its core components include high-resolution cameras, artificial intelligence algorithm processing units, and sorting devices. During operation, the camera captures images of rapidly moving materials on the conveyor belt, which contain rich visual information such as color, shape, texture, etc. Then, artificial intelligence algorithms perform deep analysis and processing on the collected image data, quickly and accurately identifying various features of the material. Finally, based on the preset screening criteria, the material is judged to meet the requirements. If it does not meet the requirements, the color sorter will quickly activate the sorting device, such as high-speed jet valves or mechanical paddles, to accurately separate it from the material flow.

In 2025, global AI Color Sorter production reached approximately 55.6k units, with an average global market price of around US\$ 12,800 per unit. Demand is supported by automation upgrades in food supply chains, rising labor costs, and stricter quality and safety requirements, which push processors to adopt higher-performance sorting solutions. Growth is also driven by expanding applications beyond basic color separation into defect detection, foreign material removal, and multi-attribute grading, where AI-based classification improves yield and reduces downstream customer complaints.

The industry chain includes upstream optical and mechatronic components such as

industrial cameras, lenses, illumination systems (LED), air ejectors/valves, vibratory feeders, computing modules (GPU/NPU/edge AI), and control software. Midstream manufacturers integrate these components into complete sorting platforms, focusing on algorithm training, mechanical reliability, and stable throughput at scale. Downstream customers include grain mills, food processors, seed companies, nut and snack producers, and recycling operators that require consistent sorting performance at high capacity. Gross margin is typically supported by system-level integration and AI software differentiation, but pricing pressure remains in standardized mid-range equipment where competition is intense and hardware becomes increasingly commoditized.

This report is a detailed and comprehensive analysis for global AI Color Sorter market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global AI Color Sorter market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global AI Color Sorter market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global AI Color Sorter market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global AI Color Sorter market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for AI Color Sorter

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global AI Color Sorter market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Tomra, Buhler (SORTEX), Satake, Hefei Meyer Optoelectronic Technology Inc., Cimbria, Suzhou Satake Manufacturing, Key Technology (Duravant), Hefei Taiho Intelligent Technology Group, DAEWON GSI CO., LTD., Comas Industries, etc.

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

## **Market Segmentation**

AI Color Sorter market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Chute Type Sorter

Belt Type Sorter

Free-fall Sorter

Others

Market segment by Sensing Technology

RGB Vision Sorter

NIR Sorter

Others

#### Market segment by AI Capability Level

Rule-based + Basic AI

Deep Learning Defect Detection

Others

#### Market segment by Application

Grains & Rice

Nuts & Seeds

Tea / Coffee Beans

Plastics Recycling

Others

#### Major players covered

Tomra

Buhler (SORTEX)

Satake

Hefei Meyer Optoelectronic Technology Inc.

Cimbria

Suzhou Satake Manufacturing

Key Technology (Duravant)

Hefei Taiho Intelligent Technology Group

DAEWON GSI CO., LTD.

Comas Industries

National Recovery Technologies (NRT)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe AI Color Sorter product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI Color Sorter, with price, sales quantity, revenue, and global market share of AI Color Sorter from 2021 to 2026.

Chapter 3, the AI Color Sorter competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI Color Sorter breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and AI Color Sorter market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of AI Color Sorter.

Chapter 14 and 15, to describe AI Color Sorter sales channel, distributors, customers, research findings and conclusion.

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