

# Global Sensor-Based Ore Sorting Machines Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Sensor-Based Ore Sorting Machines market size was valued at US\$ 452 million in 2024 and is forecast to a readjusted size of USD 779 million by 2031 with a CAGR of 8.2% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Sensor-based ore sorting is a non-disruptive technology in mining that responds to mega-trends such as the reduction in ore grades and increasing effort to reduce the specific resource input per tonne of product produced. It is a generic term for all physical separation processes in which material properties are detected by a sensor system and subsequently rejected through an amplified mechanical, hydraulic or pneumatic process.

Different sensors at various relevant positions in the process flow allow wide application in all segments of mineral production for a variety of mineral commodities, e.g. ferrous metals, non-ferrous metals, industrial minerals, coal and diamonds.

The use of sensor technology for sorting enables separation according to completely new criteria and opens up new possibilities for the mining industry. Sensor-based sorting processes are separation processes that do not require process chemicals or water and have significant energy-saving potential when used to separate barren by-products before energy- and water-intensive beneficiation processes.

This report is a detailed and comprehensive analysis for global Sensor-Based Ore Sorting Machines 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 Sensor-Based Ore Sorting Machines market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Sensor-Based Ore Sorting Machines market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Sensor-Based Ore Sorting Machines market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Sensor-Based Ore Sorting Machines market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2020-2025

#### 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 Sensor-Based Ore Sorting Machines
- 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 Sensor-Based Ore Sorting Machines 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 Sorting Solutions, Tianjin Meiteng Technology, HPY SORTING, Zhongke AMD, Metso, XNDT Technology, Steinert, Tangshan Shenzhou Manufacturing Group, Comex, MMD GPHC, etc.

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

## Market Segmentation

Sensor-Based Ore Sorting Machines market is split by Type and by Application. For the period 2020-2031, 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

X-ray Technology

Image Color Sorting Technology

Others

### Market segment by Application

Coal Mines

Metal Mines

Non-metal Mines

### Major players covered

TOMRA Sorting Solutions

Tianjin Meiteng Technology

HPY SORTING

Zhongke AMD

Metso

XNDT Technology

Steinert

Tangshan Shenzhou Manufacturing Group

Comex

MMD GPHC

Redwave

Binder+Co

Mogensen

TAIHO

GDRT

Hefei Angelon Electronics

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 Sensor-Based Ore Sorting Machines product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Sensor-Based Ore Sorting Machines, with price, sales quantity, revenue, and global market share of Sensor-Based Ore Sorting Machines from 2020 to 2025.

Chapter 3, the Sensor-Based Ore Sorting Machines competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Sensor-Based Ore Sorting Machines breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Sensor-Based Ore Sorting Machines market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Sensor-Based Ore Sorting Machines.

Chapter 14 and 15, to describe Sensor-Based Ore Sorting Machines sales channel, distributors, customers, research findings and conclusion.

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