

Global X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine market size was valued at US\$ 315 million in 2025 and is forecast to a readjusted size of US\$ 511 million by 2032 with a CAGR of 7.6% during review period.

An X-Ray Mineral Sorting Machine is an advanced piece of mining equipment that uses X-ray technology to separate valuable mineral ores from waste rock based on their density and composition. The machine scans the ore as it passes through the sorting system, identifying and classifying particles according to their X-ray absorption characteristics. This process allows for the efficient and precise sorting of high-value ore from low-value material, enhancing ore quality and reducing processing costs. X-Ray Mineral Sorting Machines are widely used in the mining industry to increase productivity, optimize resource extraction, and minimize environmental impact by reducing the amount of waste material processed. The average price of this product is approximately US\$570,000 per unit, with annual sales of approximately 800 units.

Upstream of an X-Ray Mineral Sorting Machine consists primarily of high-voltage X-ray source manufacturers, detector and sensor suppliers such as transmission and fluorescence modules, advanced imaging and signal-processing electronics providers, industrial automation component suppliers including PLCs, air-jet ejection systems, conveyors, and compressed air systems, as well as structural fabrication and system integration firms that assemble the mechanical frame and shielding; specialized software developers also contribute sorting algorithms, data analytics, and machine vision optimization. Downstream, the equipment is deployed by mining companies, mineral processing plants, and metal producers for pre-concentration, waste rock rejection, and grade control prior to grinding or further beneficiation, ultimately serving

end markets such as precious metals, base metals, industrial minerals, coal, and battery materials, where improved ore grade, reduced processing energy consumption, and lower tailings volumes enhance overall mine economics.

This report is a detailed and comprehensive analysis for global X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine

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 X-Ray Mineral Sorting Machine 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, Redwave, etc.

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

Market Segmentation

X-Ray Mineral Sorting Machine 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

XRT Sorters

XRF Sorters

Dual-Energy X-Ray Sorters

Market segment by Level of Automation

Fully Automatic System

Semi-automatic System

Market segment by Bandwidth

Bandwidth

Bandwidth ? 2000mm

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

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 X-Ray Mineral Sorting Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of X-Ray Mineral Sorting Machine, with price, sales quantity, revenue, and global market share of X-Ray Mineral Sorting Machine from 2021 to 2026.

Chapter 3, the X-Ray Mineral Sorting Machine competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine 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 X-Ray Mineral Sorting Machine.

Chapter 14 and 15, to describe X-Ray Mineral Sorting Machine sales channel, distributors, customers, research findings and conclusion.

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