# OBOTE Intelligent Dry Ore Sorter

## SENSOR-BASED ORE SORTING SINCE 2013

**Flagship Agency Product**

## Product Dimensions

| OBOTE Intelligent Dry Ore Sorter | |
|---|---|
| A | 2271-2885 mm |
| B | 2230-4844 mm |
| C | 7800-12210mm |
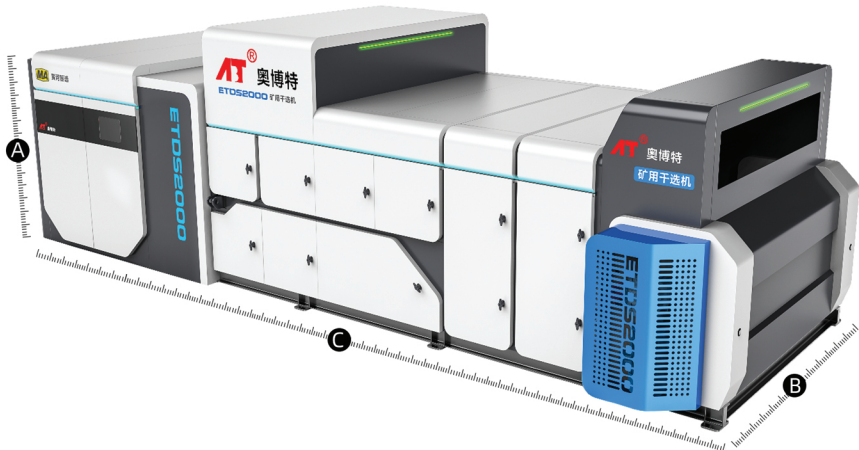


## Product Specifications

| Ore Type | Size Range | Model | Belt Width | Capacity | Power | Dimensions |
|---|---|---|---|---|---|---|
| Coal Gangue, Kaolin, and Non-metallic Ores | Metallic Ores · 20-50mm | ETDS-1200 | 1200mm | 40-50t/h | 7.5kw | 7800*2230*2271 |
| | | ETDS-2000 | 2000mm | 60-90t/h | 15kw | 7956*2760*2530 |
| | 50-300mm | ETDS-1200 | 1200mm | 60-100t/h | 7.5kw | 12210*2422*2885 |
| | | ETDS-1400 | 1400mm | 80-120t/h | 22kw | 12210*2826*2885 |
| | | ETDS-1600 | 1600mm | 100-120t/h | 22kw | 12210*3229*2885 |
| | | ETDS-1800 | 1800mm | 140-180t/h | 22kw | 12210*3633*2885 |
| | | ETDS-2000 | 2000mm | 160-200t/h | 32kw | 12210*4037*2885 |
| | | ETDS-2400 | 2400mm | 200-250t/h | 45kw | 12210*4844*2885 |

*\* Specifications are indicative and subject to change. Exact data available on request.*

## Product Overview

The OBOTE Intelligent Dry Ore Sorter is a high-efficiency solution for coal, metallic ores, and non-metallic minerals. By combining dual-energy X-ray with AI algorithms, it enables precise, automated separation by density, composition, and particle size. Featuring a fast-response electromagnetic valve system, low energy consumption, and cloud-based monitoring, it ensures stable operation and continuous performance optimisation. With zero water usage, reduced emissions, and lower operating costs, it improves ore grade and supports sustainable mining development.
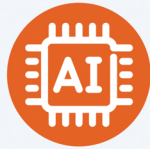
## Key Features

**Water-free & Eco-friendly**

Dry sorting process saveswater and energy for greener mining.

**Smart & Precise**

Dual-energy X-ray imaging with AI algorithms for high-accuracy separation.

**Efficient & Low Consumption**

High-speed electromagnetic valves ensure stable operation with reduced air and energy use.

**Wide Applicability**

Suitable for coal gangue, metallic ores, non-metallic ores, and new energy minerals with one machine.

**Cost Reduction & Increased Revenue**

Improve grade and recovery rate, Reduce tailings waste.

## Equipment Composition

The OBOTE Intelligent Dry Ore Sorter integrates six core systems:
 • **Feeding System**-A hopper and vibrating distributor for stablematerial feeding.
 • **Identification System**-Dual-energy X-ray imaging with AI algorithms for precise ore recognition.
 • **Execution System**-High-speed solenoid valves with compressed air for rapid and accurate sorting.
 • **Control System**-User-friendly interface with cloud-enabled monitoring for efficient operation.
 • **Air Source System**-Clean, high-pressure air supply for sorting, cooling, and pneumatic control.
 • **Dust Removal System**-Explosion-proof dust extraction ensures safe, clean, and reliable operation.
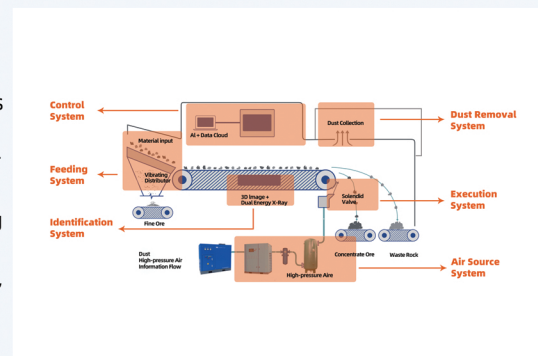
## Application

The OBOTE Intelligent Dry Ore Sorter has been widely applied in the efficient separation of:
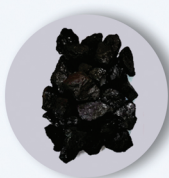
**Coal Gangue**
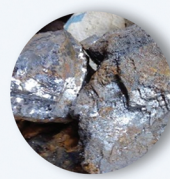
**Kaolin**

**Iron Ore**

**Phosphate Ore**

**Lithium Ore**

**Lead-Zinc Ore**

**Fluorite Ore**

**More**

Efficiency • Precision • Durability • Sustainability

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