MineGear Solutions

MineGear Solutions Pty Ltd is an Australia-based importer and distributor of mining equipment. We help producers lift productivity and recovery, cut OPEX, and meet ESG goals. Our end-to-end delivery—scoping, testwork, commissioning, spares and performance optimisation—ensures confident adoption and ROI. As the exclusive Australian agent for OBOTE's XRT dry ore sorter, we providewater-free, sensor-based pre-concentration that rejects waste early, raises head grade, relieves milling bottlenecks and lowers energy per tonne. Combining OBOTE technology with engineering expertise, we enable higher throughput.

Vision

Equip Australian mines with highperformance,low-impact equipment. Al-driven automation cuts water and energyuse while lifting recovery and throughput.With robust training, remote diagnostics, and local service, end-to-end supportensures quick adoption, reliable uptime, measurable value, and a safer, cleaner, more profitable operation on every site.

Mission

rmance, low-impact equipment. Al-driv en automation cuts water and energy u se while lifting recovery and throughpu t. End-to-end support ensures quick ad option, reliable uptime, and measurabl

MineGear Solutions partners with world-class OEMs after rigorous technical, commercial, andservice due diligence. Led by our exclusive OBOTE XRT who provides end-to-end support for reliable outcomes.Ourroadmap adds

smarter ore-separation and on-site energy, with SGS/ASconformity testing underway tostreamline adoption.



Equip Australian mines with high-perfo

performance monitoring

Spares & Ongoing

Values

•INTEGRITY: Transparent, standards aligned.

INNOVATION:

·PARTNERSHIP:

·SUSTAINABILITY:

Water-free, energy-efficient,

Shared risk, aligned incentives & measurable results.

Flowsheet integration & commissioning

ROI modelling

→ Sample and pilot test work























ISO45001



Addreas 12 Gampboll St, Glebe NSW 2037



Website

Estella Cao 0466 790999



YouTube

Opening Hours: Mon-Sun Saturday & Sun day:10am-3pm



TikTok





Phosphate Mine Raw ore grade:6.63%
-Concentrate grade:22.52%
-Tailings grade:2.73%
-Enrichment ratio:3.4





Copper Mine

Raw ore grade: 0.38%
Concentrate grade: 1.799
Tailings grade: 0.074%
Enrichment ratio: 4.7

Tungsten Mine Raw ore grade: 0.007% Concentrate grade: 0.25 Tailings grade: 0.001% Enrichment ratio: 35.7



Coal-series Kaolin At an Inner Mongolia kaolin mine, ETDS-1800 lifted



· SUSTAINABILITY

Lead-Zinc Mine Raw ore grade: Lead - 0.62%, Zinc - 1.89% Concentrate grade: Lead - 9.26%, Zinc - 7.61% Tailings grade: Lead - 0.12%. Zinc - 0.18% Lead - 14.9; Zinc - 4

OBOTE Group

OEM Profile

OBOTE Group (Hefe) is a national high-tech enterprise specializing in intelligent dry ore sorting. Evolving from grain color-sorting in Intelligent dry ore sorting. Evolving from grain color-sorting RAD (2003) and a 2011 JV with switzerland's Bölhier, it founded Hefe lobote Automation in 2013 to scale mining RAD, manufacturing, and sales. Recognized as National High-Tech/AAA Credit, its dry sorters serve coal, non-ferrous, rare-earth, and industrial minerals—boosting productivity, cutting costs, and supporting sustainability.

R&D Capabilities

Through a deep partnership with the Hefel Innovation Institute of Technolog, OGOTE accessed-anneal bias, Shard equipment, and expert teams forproblem-solving, grants, and talent. This ecosystem produced its new XRT dry sorters—Al + dual-energy X-ray + line solutions—delivering early waste rejection, higher head grade, and lower water/energy use. OBOTE continues to strengthen RAD leadership.

Australian Standard Compliance

A Chinese National High-Tech Enterprise, OBOTE holds ISO 9001/14001/45001, Mining Product Safety Mark, and explosion-proof licenses—underprinning safe, efficient, responsible sorting. Australian conformity is underway with SGS and other accredited bodies, aligning product testing and technical documentation to Australian Standards for streamlined market printy.

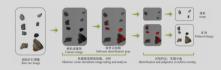




合肥臭博特自动化设备有限公司 Heriologic Automation Equipment Co., Ltd.

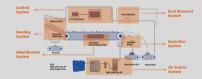
Sorting Principle

OBDTE: intelligent sorter combines 3D imaging with dual-energy X-ray transmission (XRT) to see inside each rock on the belt. As X-rays pass through, under-belt sensors capture attenuation differences, generating a unique digital signature for every particle. Proprietary big-data processing and Al models classify type and postition in real time, then trigger high-freq uency solenoid valves for precise ejection. The model adapts automatically to changing ore density, size, texture, lustre, and thickness, sustaining highly accurate separation—even in complex, variable sorting conditions.



Machine Composition

OBOTE's dry ore sorter integrates six systems for efficient, safe sorting:



Core Technologies



Product Advantages



Application Scenarios







dry upgrading; kaolin recovery

lica/ Cu/Ni/Zn-



waste rejection



Rare earths-dry upgrade; contaminant



erground /mobilesort at source; aim dumps/tailings