

LET THERE BE IN THE WORLD

#HPY FINLAY













R&D Team & Production Team

DRY BENEFICIATION

HPY Finlay has a domestic market share of nearly 80% in China, working with over 100+ mining customers & 400+ machines in use.

For dry-washing equipment, We have worked with customers both within and outside the borders of China. Since 2015 we've worked with over 100+ different customers. We've also extended past the borders, working in Tajikistan and Russia.



Copper, Gold, Molybdenum

Over 70

machines in use

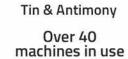


Lead-Zinc
Over 80
machines in use



Tungsten
Over 90
machines in use



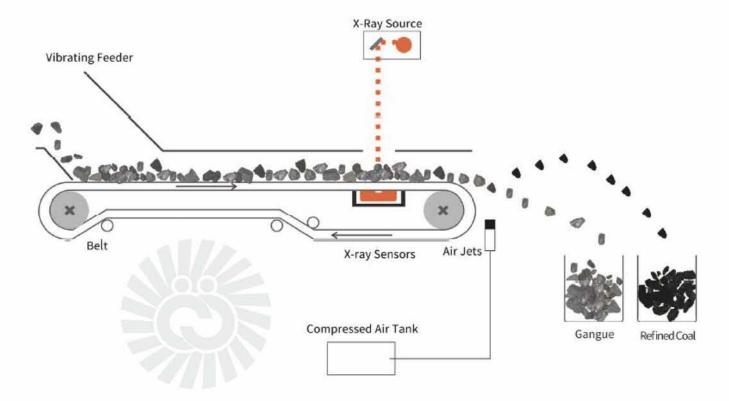




Phosphate/Coal
Over 80
machines in use



Dry beneficiation is a process that allows companies to use sensor-based technology to pre-concentrate or sort waste rock early in the comminution process. This allows companies to separate commercially valuable minerals or metals from other rocks.



Our machines analyze each rock particle to identify specific characteristics that enable them to distinguish usable ore from waste rock. Subsequently, the machines utilize air jets to sort them accordingly.

AI DEEP LEARNING ALGORITHM: POWER OF AI & ML

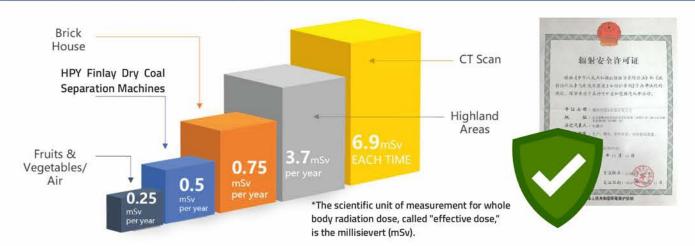
The ore data can be identified with high-speed accuracy. In +6-300mm raw coal, the gangue is identified in real-time, and the identification accuracy rate is up to 99.5% or more.

High sorting precision: the amount of gangue in coal is up to <1% and the amount of coal in gangue is up to <1%.



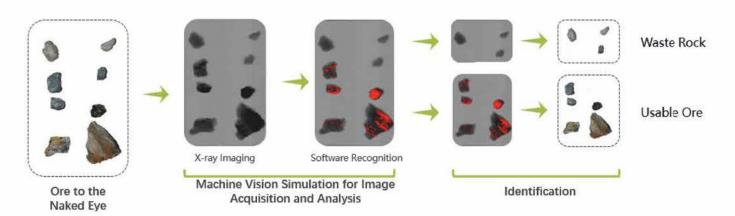


ULTRA-LOW RADIATION PRODUCT



HOW DOES DRY BENEFICIATION WORK?

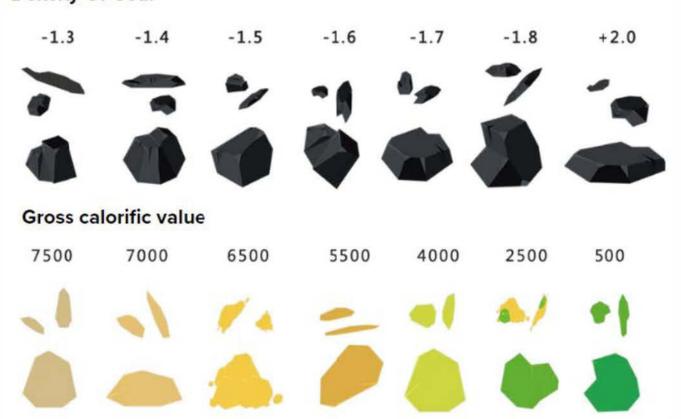
Dry beneficiation works with surfacing sensors and x-ray sensors combined with the power of artificial intelligence and machine learning algorithms. This works in a way where you can set the density of ore as well as GCV (Gross Calorific Value) combined to obtain the results.







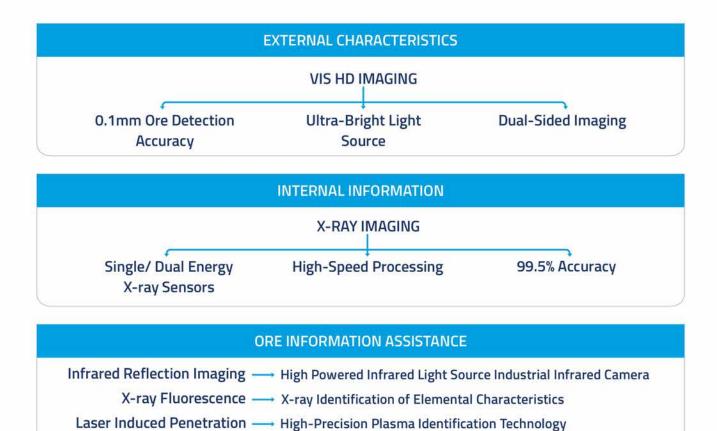
Density Of Coal

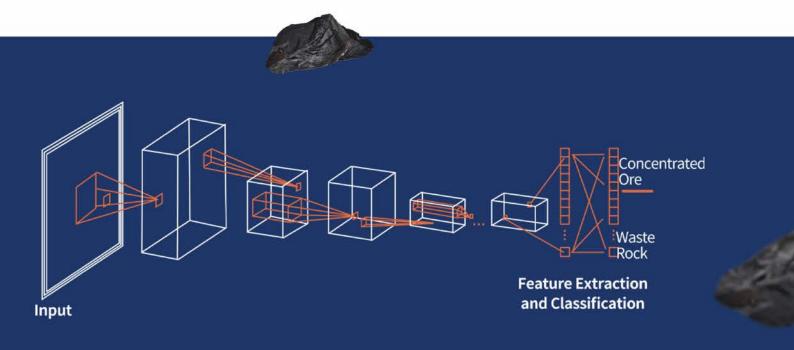






CORE TECHNOLOGY - MACHINE VISION (Detection Technology For Ore Sorting)

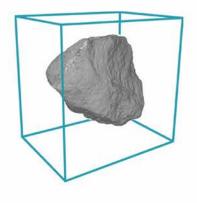


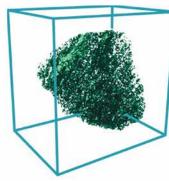


We have developed and pioneered an Al algorithm specifically for ore sorting, called the Wenshu Algorithm. This algorithm applies deep learning theory to the mining industry, allowing for the development of an adaptive oresorting model that can track and optimize itself in real-time based on changes in ore grade.

In complex ore sorting environments, the ore sorting model can adapt its structure to accommodate different characteristics such as ore size, texture, lustre, and thickness in order to achieve accurate identification.

MACHINE VISION





- Single/Dual-Energy X-ray
- VIS HD Imaging
- Large Processing Capacity, Fast Processing Speed
- Accurate

OUR EQUIPMENT



Circle Series



Insight Series







Golden Coal Series









Error Detection

Technical Support

Real-Time Monitoring

Cloud Transfer



CIRCLE SERIES

Large processing capacity and wide processing particle size range

FAST: A highly efficient industrial control system can respond in one millisecond, processing up to 10,000 ORES PER SECOND.

PRECISE: Using a high-precision 360° multi-layered impro impro impro impro tra air jet system, the ore and waste rock can be sorted accurately by spraying the ore with compressed air.

COMPATIBLE: Upon entering the machine, the ore enters free fall, removing the limitations on the particle size range. The Circle Series can identify and sort ores as small as 5mm.

High recognition accuracy

UNIQUE FEEDING: The vibrating feeding structure has the advantages of uniform material distribution, a wide feeding transfer surface, and large feeding

IMAGING: A customized aerial imaging system improves imaging quality by 30% compared to traditional ore sorting machines. The sorting accuracy can reach up to 99%.

> ANALYSING: The use of machine learning & active learning optimizes sorting and allows the machine to improve its recognition ability and accuracy over time.

Merallic Minerals . Nonmetallic Minerals . Coal

Precise air jet system

INTELLIGENT: Synthesizes jet streams based on the size of ore.

FAST & STABLE: The reaction time of the air jets is less than 1.5 milliseconds.

ACCURATE: The diameter of a single nozzle is only 2mm, which can accurately spray the centre of an ore as small as 5mm.

Small size and easy operation & maintenance

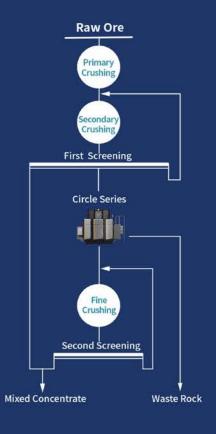
SMALL SIZE: 75% smaller than traditional ore sorting machines, which reduces infrastructure investment and expansion costs that may have been used to add larger ore sorting machines into the mineral processing plant.

EASY OPERATION: It is equipped with HPY Cloud which uses big data management, allowing for remote control and easy maintenance.



SORTING MECHANISM Feeder Vibrating Feeding Disk X-ray Sensors Water Book Air Jets Air Jets Water Book Overblicharge With Part of Diskharge Water Book Overblicharge With Jets Wit

Mode	el i	Weight (t)	Power* (kW)	Size (mm)	Capacity (t/h)	Machine Size (mm)
	ene.			6-25	25-40	
	FHG 1700-T	18	20	25-50	80-120	5100*3273'4070
	1700-1			30-80	90-130	
	FHG	32		6-25	50-80	
Coal	3400-T		40	25-50	160-240	9720*3458'5394
				30-80	180-260	
	FHG			6-25	75-120	
	5000-T	40	60	25-50	240-300	8000*6200'5394
	.500.			30-80	270-360	
	FHG	18	20	5-20	25-40	5100*3273'4070
	1700-T			10-80	80-140	
Metallic	FHG	32	40	5-20	50-80	9720'3458'5394
Ores	3400-T	32	40	10-80	160-240	3720 3436 3334
	FHG	40	60	5-20	75-120	8000*6200*5394
	5000-T	40	00	10-80	240-320	8000 6200 3334
	FHG	18	20	5-20	25-40	5100*3273*4070
	1700-T	10	20:	10-80	80-120	
Non Metallic	FHG	32	40	5-20	50-80	9720*3458*5394
Ores	3400-T	32	32 40	10-80	160-240	3720 3436 3394
	FHG	40	60	5-20	75-120	8000*6200*5394
	5000-T	-0	- 00	10-80	240-320	5500 0200 3334



^{*}does not include air compressor or fan



GOLDEN COAL SERIES

THE GOLDEN COAL SERIES is a specialized machine designed for dry coal sorting and the comprehensive treatment of gangue. It utilizes high-speed air jets, an advanced Al algorithm, and the option of using VIS HD imaging or single/dual-energy X-ray detection to accurately and efficiently sort coal from gangue. The design greatly reduces the size of the machine and is 20% smaller than other dry coal sorters with the same processing capacity. The standard model can process up to 360t/h. If customers have custom requirements, a higher processing capacity can be achieved by expanding the size of the machine.

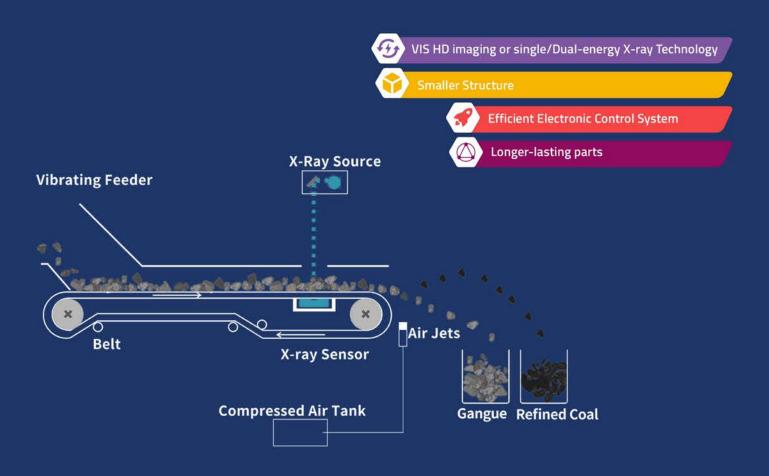
All key components of the machine are designed to be explosion-proof, making it suitable for both surface and underground working environments. The Golden Coal Series does not consume water or use chemical mediums, and its energy consumption is much lower than traditional coal washing and other coal sorting processes. It can achieve clean, efficient and environment friendly dry coal sorting, and is accurate enough to replace hand sorting, jigging, shaking, and heavy medium processes. The Golden Coal Series can save on land, personnel, and capital costs for coal preparation plants.



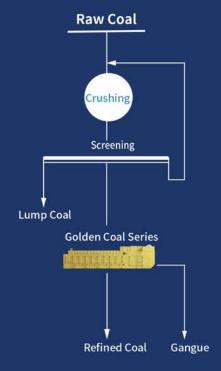




SORTING MECHANISM



1	Model	Weight (t)	Power*** (kW)	Size (mm)	Capacity (t/h)	Machine Size (mm)
	FHG-1200-C	23.8	14	25-100 50-300	40-80 80-120	12470*2324*3548
	FHG-1400-C	24.8	16	25-100 50-300	55-90 120-160	12470*2538*3548
	FHG-1600-C	25.8	18	25-100 50-300	75-120 140 -180	12470*2724*3548
HD Camera	FHG-1800-C	26.8	20	25-100 50-300	90-140 180-220	12570*2925*3548
Imaging Series	FHG-2400-C	46	28	25-100 50-300	80-160 200-260	12570*3345*3730
Jenes	FHG-2800-C	49	36	25-100 50-300	110-180 240-320	12570*4720*3730
	FHG-3200-C	52	42	25-100 50-300	150-240 280-360	12570*5270*3730
	FHG-3600-C	56	48	25-100 50-300	180-280 360-450	12570*5690*3730
	FHG-1200-X	23.8	14	25-100 50-300	40-80 80-120	12470*2324*3548
	FHG-1400-X	24.8	16	25-100 50-300	55-90 120-160	12470*2538*3548
	FHG-1600-X	25.8	18	25-100 50-300	75-120 140 -180	12470*2724*3548
X-Ray	FHG-1800-X	26.8	20	25-100 50-300	90-140 180-220	12570*2925*3548
Series	FHG-2400-X	46	28	25-100 50-300	80-160 200-260	12570*3345*3730
	FHG-2800-X	49	36	25-100 50-300	110-180 240-320	12570*4720*3730
	FHG-3200-X	52	42	25-100 50-300	150-240 280-360	12570*5270*3730
	FHG-3600-X	56	48	25-100 50-300	180-280 360-450	12570*5690*3730



*VIS HD Imaging ** Single or dual energy *** does not include air compressor or fan

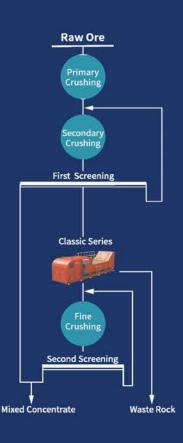


INSIGHT SERIES



THE INSIGHT SERIES features a cutting-edge modular designthat represents a significant improvement over the previousgeneration of sorting machines that use belt conveyors. Theinnovative vibration feeder+short belt+free-fall structure havegreatly simplied its design, while reducing machine size, makingmaintenance easier and occupying less space. Moreover, the machine has flexible assembly, allowing fordifferent feeding widths (1600mm, 3200mm) and a processing capacity ranging from 40-120 tons per hour (+10mm-60mm).catering to various coal processing plants' needs. Each modulecan be controlled and monitored by its software, reducing operation costs.

ŞI	Model	Weight (t)	Power* (kW)	Size (mm)	Capacity (t/h)	Machine Size (mm)
	FHG-SC1600	9	30.5	20-60	30-60	8387*2705*3035
Coal	FHG-SC2400	16	45	20-60	50-90	8082*3930*2847
	FHG-SC3200	18	60	20-60	80-120	8770*5235*2992
	FHG-SC1600	9	30.5	20-60	30-60	8387*2705*3035
Metallic Ores	FHG-SC2400	18	45	20-60	50-90	8082*3930*2847
	FHG-SC3200	20	60	20-60	80-120	8770*5235*2992
Non	FHG-SC1600	9	30.s	20-60	30-60	8387*2705*3035
Metallic	FHG-SC2400	18	45	20-60	50-90	8082*3930*2847
Ores	FHG-SC3200	20	60	20-60	80-120	8770*5235*2992









ZHICUN LITHIUM GROUP CO., LTD.



Zhicun lithium group co., ltd. operates in Yichun city, Jiangxi province, known as the "Lithium Capital Of Asia." it achieves extensive mass production of battery-grade lithium products through mineral processing and lithium salt production bases. the company integrates mining, mineral processing, and lithium slag utilization, establishing a complete lithium-ion industry chain.

#HPY FINLAY CLEAN ENERGY

Particle Size : +10-60mm

Processing Capacity : 40-60t/h

Raw Ore Grade : Li2O 1.27%

Waste Rock Grade : Li2O 0.60%

Concentrate Grade : Li2O 2.63%

Rejection Rate : 67.00%

Recovery Rate : 68.35% Enrichment Ratio : 2.07









HPY CLOUD PLATFORM





Data Capture



Fault Warning



Indicator Statistics



Real-time Operating Conditions



Real-time Monitoring



Cloud Storage



Easy-to-use System



Message Notification





JIYUAN COAL MINE DRY COAL SORTING PROJECT



The Jiyuan Coal Mine Dry Coal Sorting Plant, located in Tongzi County, Zunyi City, Guizhou Province, has a designed capacity of 1.8 million tons per year. Utilizing advanced X-ray identification technology, this plant economically and environmentally processes raw coal from Jiyuan, Guancang, and surrounding coal mines.



PROJECT OVERVIEW

- Processing Capacity: 1.80Mt/a
- Processing Particle Size: Deshelling from 10-300mm raw coal
- Machine Used: ① One Golden Coal FHG-1600-X dry coal sorting machine, single machine's processing capacity 140-180t/h
- ② One Circle Series FHG-1700-T dry coal sorting machine, single machine's processing capacity 80-100t/h System Processing Result: Coal in the reject \leqslant 2%, Reject removal rate > 90%

XINJIANG ZHONGLUN DRY COAL SORTING PROJECT

The Xinjiang Zhonglun Coal Sorting Project, located in Gaochang District of Turpan City, Xinjiang, has an annual production capacity of 5 million tons of raw coal. This project leverages advanced dry coal sorting technology to address the region's unique climatic challenges, including perennial water shortages and drought conditions.

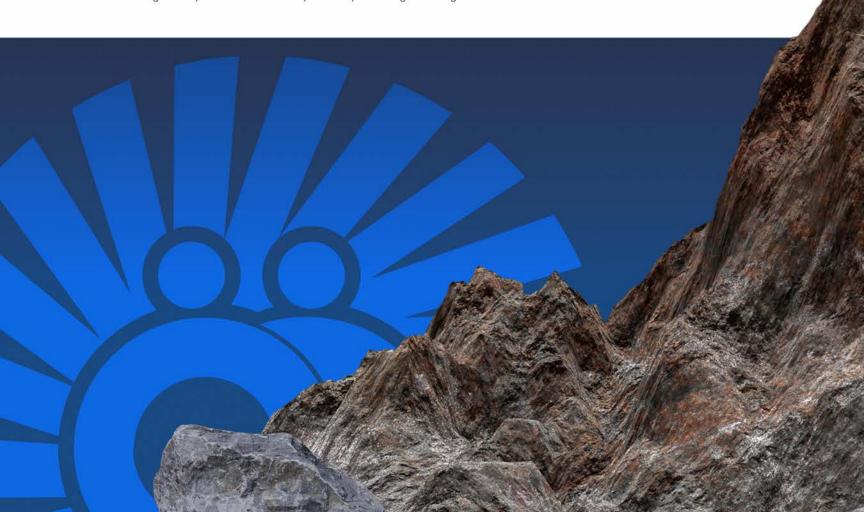
PROJECT OVERVIEW

- Processing Capacity: 5.0 Mt/a
- Processing Particle Size: Pre-reject gangue from 10-300mm raw coal
- Machine Used:
- 1 One Golden Coal FHG-1800-X dry coal sorting machine, single machine's processing capacity >180t/h
- ② One Circle Series FHG-3400-T dry coal sorting machine, single machine's processing capacity 150-200t/h
- System Processing Result: Coal in the Reject <2%, Reject removal rate >90%



SOLUTION

To efficiently process raw coal while conserving precious water resources, the Xinjiang Zhonglun project employs state-of-the-art intelligent dry coal sorting technology. This approach not only enhances the efficiency and accuracy of coal selection but also significantly reduces environmental pollution by minimizing water usage.





DATONG COAL MINE GROUP MADAOTOU COAL INDUSTRY CO., LTD.



PROJECT OVERVIEW

The Datong Coal Mine Group sought to enhance its coal sorting efficiency and reduce environmental impact. To achieve this, they integrated Hefei John Finlay's advanced dry sorting technology into their operations.

- Location: Datong City, Shanxi Province, China
- Annual Production Capacity: 24 million tonnes
- Coal Reserve: 89.2 billion tonnes

EQUIPMENT AND PERFORMANCE

- Production Capacity: 24.00 Mt/a
- Processing Particle Size: 200mm-800mm (The first large-particle sorting machine in China)
- Machines Used: Two FHG-2400-X Golden Series dry coal sorting machines
- Single Machine's Processing Capacity: >285 t/h
- Sorting Efficiency:
- Coal in Rejects: <1%
- Reject Discharge Rate: >95%

RAW COAL PRODUCTION SYSTEM RENOVATION FOR HEBI COAL & ELECTRICITY CO., LTD.

PROJECT OVERVIEW

- Location: Hebi Coal & Electricity Co., Ltd., Hebi City, Henan Province.
- Initial System: Screening and hand sorting, followed by crushing and mixing
- Issue: High Reject content causing blockages and affecting production efficiency
- Coal Reserve: 89.2 billion tonnes

EQUIPMENT AND PERFORMANCE

- Processing Capacity: 1.20 Mt/a
- Processing Particle Size: Pre-reject Reject from 50-300mm raw coal
- Machine Used: 1 FHG-1400-X Golden Coal Series dry coal sorting machine
- Single Machine's Processing Capacity: 115-160 t/h
- System Processing Result:
- Coal in Reject: <1%
- Reject Discharge Rate: >95%



XINYAN COAL MINE UNDERGROUND AI DRY SORTING SYSTEM SOLUTION



PROJECT OVERVIEW

- Location: Xinyan Coal Mine, Zhongyang County, Shanxi Province
- Production Capacity: 2.40 Mt/a
- Challenges: High reject content, increased transportation burden, and inefficient coal preparation

SOLUTION: FOUR-IN-ONE APPROACH

Xinyan Coal Mine adopted a comprehensive "mining, selection, transportation, and filling" approach, incorporating a sensor-based dry coal sorting system to pre-discharge Reject underground.

- Reject Pre-Discharge:
- The new system pre-sorts Reject from raw coal before it reaches the surface, reducing the volume of waste transported.
- Reject Backfilling:
- Rejected Reject is used to fill mine voids, reducing surface disposal and environmental impact.

EQUIPMENT AND PERFORMANCE

- Processing Particle Size: Pre-reject Reject from +50-300mm raw coal
- Machine Used: 1 FHG-1800-X Golden Coal Series dry coal sorting machine
- Single Machine's Processing Capacity: >180 t/h
- Sorting Result:
- Coal in Reject: <1%
- Reject Discharge Rate: >95%



GUIZHOU PANJIANG CLEAN COAL CO., LTD. - TUCHENG MINE



PROJECT OVERVIEW

- Location: Tucheng Mine, Liupanshui city, Guizhou Province.
- Production Capacity: Process raw coal 0.60 Mt/a
- Objective: Enhance coal quality and increase economic benefits through advanced dry sorting technology

SOLUTION

Circle Series Sensor-Based Dry Coal Sorting Machine

- Processing Particle Size: 10-50mm
- Main Equipment: 1 FHG-1500-T Circle Series sensor-based dry coal sorting machine
- Single Machine's Processing Capacity: >100 t/h

SORTING RESULTS

- Coal in Reject: <2%
- Reject Discharge Rate: >90%

LAOGONGYINGZI COAL MINE OF PINGZHUANG COAL INDUSTRY IN INNER MONGOLIA

PROJECT OVERVIEW

- Location: Laogongyingzi Coal Mine, Chifeng City, Inner Mongolia.
- Challenges: High dust and noise, safety hazards, intensive labor, and low sorting efficiency

SOLUTION: ADVANCED DRY COAL SORTING SYSTEM

- Processing Particle Size: Pre-reject Reject from +70-400mm raw coal
- Machine Used: 1 FHG-1600-X Golden Coal Series dry coal sorting machine
- Single Machine's Processing Capacity: >180 t/h

SORTING RESULTS

- Coal in Reject: <1%
- Reject Discharge Rate: >95%

GUINENG GROUP HEBIAN COAL INDUSTRY



PROJECT OVERVIEW

- Location: Duge Town, Shuicheng District, Liupanshui City, Guizhou Province
- Production Capacity: 0.9 Mt/a
- Challenges: High Reject content, low-quality raw coal, high transportation and washing costs

SOLUTION: DRY COAL SORTING SYSTEM

To improve efficiency and reduce costs, Hebian Coal Mine installed a dry coal sorting system at the wellhead, aimed at pre-discharge of Reject from the raw coal. This approach offers several benefits:

- Reject Pre-Discharge:
- Pre-sorting Reject at the wellhead reduces the volume of waste transported and processed.
- Cost Reduction:
- Minimizes transportation and subsequent washing costs by reducing the Reject content before it reaches the preparation plant.

EQUIPMENT AND PERFORMANCE

- Processing Particle Size: 50-300mm
- Machine Used: 1 FHG-1600-X Golden Coal Series dry coal sorting machine
- Single Machine's Processing Capacity: >180 t/h
- Sorting Result:
- Coal in Reject: <1%
- Reject Discharge Rate: >95%





REJECT RECOVERY: WEALTH FROM THE WASTE



Guizhou Panjiang Clean Coal Co., Ltd. - Shanjiaoshu Mine

PROJECT OVERVIEW

- Location: Shanjiaoshu Mine, Liupanshui City, Guizhou Province.
- Production Capacity: 2.0 Mt/a
- Objective: Comprehensive utilization of Rejects to improve economic benefits and reduce environmental impact

SOLUTION: Circle Series Sensor-based Dry Coal Sorting Machines

- Processing Particle Size: 10-50mm
- Machines Used: Two FHG-1500-T Circle Series sensor-based dry coal sorting machines
- Single Machine's Processing Capacity: >100 t/h

SORTING RESULTS

- Coal in Reject: <2%
- Reject Discharge Rate: >90%

Coal comes from the main inclined shaft





MAOMAO MOUNTAIN COAL MINE, SHAN XI PROVINCE - AI-DRY COAL SORTING AND KAOLIN EXTRACTION

PROJECT OVERVIEW

- Location: Maomao Mountain Coal Mine, Zuoyun County, Datong City, Shanxi Province.
- Current Coal Output: 5.00 Mt/a
- Planned Expansion: 10.00 Mt/a

SOLUTION: Advanced Dry Coal Sorting And Kaolinite Extraction System

- Production Capacity: Two production lines, each processing 5 million tons of raw coal per year
- Processing Particle Size: Deep pre-discharge of gangue from 25mm-300mm raw coal and extraction of kaolin from 25mm-300mm sorted gangues

EQUIPMENT AND PERFORMANCE

- 1. Dry Coal Sorting:
- Machines Used:
- Two Golden Coal FHG-2800-X dry coal sorting machines
- Processing Capacity: Each machine >280 t/h
- Function: Sorts 50mm-300mm raw coal, producing three products
- 2. Kaolin Extraction (50mm-300mm Rejects):
- Machines Used:
- Two Golden Coal FHG-1600-C dry coal sorting machines
- Processing Capacity: Each machine >160 t/h
- Function: Extracts kaolin from sorted gangues

- 3. Deep Gangue Pre-Rejection (25mm-50mm Raw Coal):
- Machines Used:
- Two Circle Series FHG-3400-T dry coal sorting machines
- Processing Capacity: Each machine >200 t/h
- Function: Deeply pre-rejects gangue from raw coal
- 4. Kaolin Extraction (25mm-50mm Gangues):
- Machines Used:
- Two Insight Series FHG-SC2400 sensor-based dry coal sorting machines
- Processing Capacity: Each machine >90 t/h
- Function: Extracts kaolin from sorted gangues





LEAD-ZINC



TIBET SUMMIT RESOURCES CO., LTD. TAJIK-CHINA MINING CO., LTD.

Particle Size	+10-90mm	Raw Ore Grade	Pb+Zn <4-6%
Rejection Rate	>30%	Waste Rock Grade	Pb+Zn <0.6%
Recovery Rate	>95%	Enrichment Ratio	>1.4

*According to the testing done by Tajik-China Mining the waste rock grade is 0.4%.

ALUMINIUM CORPORATION OF CHINA LIMITED DINGHALHONGXIN MINING INDUSTRY CO., LTD

Particle Size	+10-40mm	Raw Ore Grade	Pb 1.50% Zn 3.15%
Rejection Rate	21.49%	Waste Rock Grade	Pb 1.50% Zn 3.15%
Concentrate Grade	Pb 1.89% Zn 3.99%		





ZHONGDI MINAN INDUSTRIAL CO., LTD. LANPING LEAD-ZINC MINE

Particle Size	+5-60mm	Raw Ore Grade	Pb+Zn 6-9%
Rejection Rate	55%	Waste Rock Grade	Pb+Zn 2%
Recovery Rate	70%	Concentrate Grade	Pb+Zn 15%

*Annual economic benefits of 10.8 million USD

GUANGXI NANDAN NANFANG METAL COMPANY LIMITED KANGMA MINERAL PROCESSING PLANT

Particle Size	+12-80mm	Raw Ore Grade	Pb 1.01% Zn 8.81%
Rejection Rate	23%	Waste Rock Grade	Pb 0.04% Zn 0.32%
Recovery Rate	99%	Concentrate Grade	Pb 1.26% Zn 11.05%







TUNGSTEN



CHINA TUNGSTEN AND HIGHTECH MATERIALS CO., LTD

Particle Size	+15-60mm	Raw Ore Grade	Wo ₃ 0.28%
Rejection Rate	58.44%	Waste Rock Grade	Wo ₃ 0.04%
Recovery Rate	89.70%	Concentrate Grade	Wo ₃ 0.89%

HUNAN NONFERROUS METALS YINTIANI ING WOLFRAM MINE CO. LTD.

Particle Size	+15-35mm	Raw Ore Grade	Wo ₃ 0.15-0.40%
Rejection Rate	25%	Waste Rock Grade	Wo ₃ 0.04%
Recovery Rate	>94%	Processing Capacity	80-90t/h





CHONGYIZHANG YUAN TUNGSTEN CO., LTD.

Particle Size	+15-60mm	Raw Ore Grade	Wo ₃ + Sn 0.350%
Rejection Rate	≥85%	Waste Rock Grade	Wo ₃ + Sn 0.038%
Recovery Rate	90.86%	Concentrate Grade	Wo ₃ + Sn 2.120%

JIANGXI TUNGSTEN HOLDING GROUP COMPANY LIMITED XIALONG TUNGSTEN MINING CO., LTD.

Particle Size	+15-90mm	Raw Ore Grade	Wo ₃ 0.25%
Rejection Rate	90%	Waste Rock Grade	Wo ₃ 0.03%
Recovery Rate	90%	Concentrate Grade	Wo ₃ 2.25%





MOLYBDENUM



BEIJING HUAXIA JIANLONG MINING SCIENCE & TECHNOLOGY CO., LTD. - ABAG BANNER JINDI MINING CO., LTD.

Particle Size	+15-31.5mm	Raw Ore Grade	Mo 0.042%
Rejection Rate	40.7%	Waste Rock Grade	Mo 0.019%
Recovery Rate	85.0%	Concentrate Grade	Mo 0.072%

GUANGDONG HENGXING ECONOMIC DEVELOPMENT CO., LTD. BAISHIZHANG MOLYBDENUM MINE

Particle Size	+15-40mm	Raw Ore Grade	Mo 0.175%
Rejection Rate	≥85%	Waste Rock Grade	Mo 0.015%
Recovery Rate	93.37%	Concentrate Grade	Mo 0.731%



PHOSPHATE



YUNTIANHUA GROUP CO., LTD. YUNNAN PHOSPHATE HAIKOU CO., LTD

Particle Size	+15-70mm	Raw Ore Grade	P ₂ O ₅ 15.01%
Rejection Rate	58.44%	Waste Rock Grade	P ₂ O ₅ 10.00%
Recovery Rate	61.37%		

*Increase of 5 million tons of phosphate resources, creating a value of 3 million USD.

YICHANG BAILIYUAN LOGISTICS CO., LTD.

Particle Size	+15-50mm	Raw Ore Grade	P ₂ O ₅ 16.96%
Rejection Rate	50.50%	Waste Rock Grade	P ₂ O ₅ 7.99%
Recovery Rate	77.01%	Enrichment Ratio	1.54





ANTIMONY





HUNAN GOLD CORPORATION LIMITED ZHAZIXI ANTIMONY MINE

Particle Size	+15-70mm	Raw Ore Grade	Sb 2.01%
Rejection Rate	60.00%	Waste Rock Grade	Sb 0.08%
Recovery Rate	97.62%	Enrichment Ratio	Sb 0.08%

*Added 5 million tons of ore resources, valued at over 291 million USD.

VIINNAN MILLIANTIMONY INDUSTRYCO, LTD

Particle Size	+20-40mm	Raw Ore Grade	Sb 1.86%
Rejection Rate	93.94%	Waste Rock Grade	Sb 0.19%
Recovery Rate	90.38%	Enrichment Ratio	Sb 27.74%



GOLD/COPPER



CHINA NATIONAL GOLD GROUP CO., LTD INNER MONGOLIA JINTAO CO., LTD-GOLD MINE

Particle Size	+10-60mm	Raw Ore Grade	Au 0.82g/t
Rejection Rate	34%	Waste Rock Grade	Au 0.10g/t
Enrichment Ratio	2.80%	Enrichment Ratio	Au 2.30g/t

CHINA NONFERROUS HONG TOUSHAN FUSHUN MINING GROUP CO., LTD.

Particle Size	+10-60mm	Raw Ore Grade	Au 0.82g/t
Processing capacity	2000t/d	Waste Rock Grade	Au 0.10g/t
Enrichment Ratio	Au 8.50 Cu 12.65	Enrichment Ratio	Au 1.301g/t Cu 1.460%



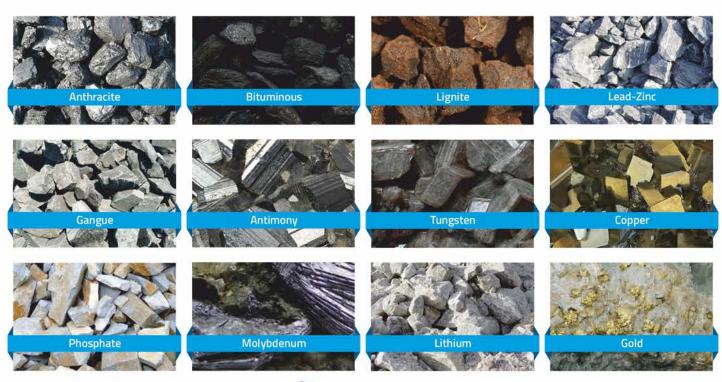


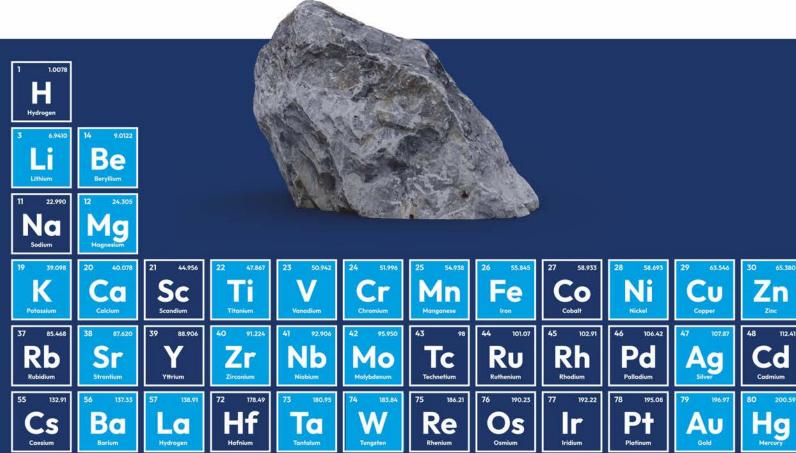
Ra

Ac

APPLICABLE MINERAL TYPES

XRT sorting has its distinct advantages and avoids errors of manual ore sorting, colour sorting, and XRF ore sorting, it allows for the rapid detection of both the internal and external features of the ore, providing optimal principles for technology in the field of ore sorting





Hs





HIGH PRECISION IMAGING RECOGNITION SYSTEM

FPGA is a world-leading logic Response control.



AIR JET SYSTEM

Precise sorting and efficient separation with the airjet system.





MECHANICAL CONTROLS

Easy operation with mechanical controls in dry washing cloud platforms.

ENVIRONMENTAL BENEFITS



Significantly reduce the energy consumption of grinding and flotation processes, and reduce the consumption of wearable materials and chemicals.





Improve mining extraction rate, comprehensive resource utilization rate, and mineral processing recovery rate.



Reduces reliance on harmful chemicals typically employed in conventional sorting processes.



Reduced water consumption

























































Po





Rn







100+ Dry Beneficiation Plants

500+ Machines Sold



O +91-7434881177

