BGRIMM 矿冶

Represented by YSK® Group

Turning Rock into Gold by Pursuing Perfection in Resources Utilization Creating Value to Achieve Win-Win with Clients



SCHEMATIC OPERATIONS

R&D	ENGINEERING	PRODUCTION
Mining Engineering	Nonferrous Metals	Mining Machinery
Explosives & Blasting Engineering	Ferrous Metals & Gold	Mineral Processing Equipment
Mineral Processing	Civil Construction	Smelting Equipment
Metallurgy Engineering	Industrial Construction	Magnetic Materials
Material Engineering	Environment Impact Assessment	Special Powder Materials
Environmental Engineering	Engineering Consulting	Lithium-ion Battery Cathode Materials
BGRIMM Machinery	Security Assessment	W-Mo Materials
Measuring and Controlling Technology	Project Management	Mineral Materials
Comprehensive Utilization of Solid Wastes	Whole Set of Equipment Supply	Mine Chemicals
Resource Assessment & Analysis	EPC Project	Plant Gums

MINERAL PROCESSING ENGINEERING



Mineral processing continuous pilot plant



Laboratory for comprehensive utilization of tailings

BGRIMM Group is specialized in R&D of mineral processing technology and flotation reagents for ferrous and non-ferrous metals, non-metallic mineral as well as industrial materials. The National Key Laboratory for Mineral Processing Science & Technology is established, consisting of mineral processing laboratory & pilot line, flotation reagent laboratory & production plant, solid waste comprehensive utilization laboratory & pilot line.



Technology for comprehensive utilization of complex lead and zinc polymetallic ore



Flotation laboratory



R & D and production base of clean and efficient flotation reagents



Novel beneficiation technology for comprehensive utilization of complex refractory ore of scheelite and wolframite

FLOTATION MACHINE

After more than 60 years' professional research, BGRIMM-MAT now is capable of supplying all kinds of equipment in the whole flotation process, including slurry agitator tank, air-forced flotation cell, self-aerated flotation cell, flotation column, lab flotation machine and modular flotation plant. Up to now, BGRIMM-MAT has a wide application of over 30,000 flotation equipment in thousands of mining companies, among which the biggest air-forced flotation cell KYF-680m³ has been put into application. Multiple options with a variety of products enable us to satisfy with different clients' need according to specific mineralogy and process characteristics.

- Innovative angled rotor blade design consume considerably less power than global competitors.
- Either cylindrical or U-shaped tank type is available to match different mechanisms.
- Both available with optional pump mechanisms designed to move froth between adjacent cell banks, allowing completely flat elevation without external pumping requirements.



GCBK Agitating Tank



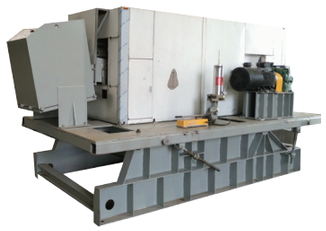
Column Flotation Cell

MAGNETIC SEPARATOR

BGRIMM-MAT can provide clients with efficient, reliable and energy-saving magnetic separation solutions, including complete separation test and highly-advanced equipment. Over 100 large scale wet magnetic separators like φ1.5×5.0m has already been applied onsite. Dry magnetic separators, with a maximum size of φ1.6×2.7m, could deal with particles up to 400mm with magnetic field intensity reaching to 500mT. Furthermore, BGRIMM-MAT provides solutions in removing broken balls from entering subsequent process to reduce wear and promote grinding efficiency by using magnetic arc. In addition, we also cover the area of magnetic pre-concentration, tailings recovery and magnetic linings.



High Intensity Electromagnetic Induced Roller Separator



External Magnet Drum Separator



KYF Forced Air Flotation Cell



BF Self-aspirating Flotation Cell



Wet Permanent Magnetic Drum Separators



Dry Permanent Magnetic Drum Separators

BGRIMM Group Chemical Reagents

- Alternative to Traditional Chemical Reagents
- High Efficiency
- Low Dosage
- Environmentally Friendly
- National key Laboratory



Cassiterite Collector BK412 | Regulator BK511 | BK305 Efficient Copper Sulfide Collector | Lime Replacement Reagent BK506

Froth BK208 | Gold Beneficiation Leaching Aid BK519 | BK810 Ceramic Filter Cleaning Reagent | Anti-Scaling Reagent BK801



Lab of BGRIMM Chemical Plant | Chemical IBC Barrels | BGRIMM Chemical Plant

>Collectors
>Frothers
>Depressants
>Flocculants
>Leaching Reagents
>Extraction Reagents
>Diluent
>Thickening Aid
>Filter Aid Ceramic
>Filter Cleaner
>Dust Suppressant
>Defoamer
>Water Treatment Agent
>Demulsifier
>Antiscalant
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PROCESS AUTOMATION AND INTELLIGENTIZATION IN MINING & METALLURGY

BGRIMM Group is committed to developing process control technology, monitoring and analytical instruments used in mining, mineral processing, metallurgy and environmental protection, and serving as a complete service provider for R&D, whole set of equipment and automation system engineering.



BOXA On-stream X-ray fluorescence analyzer



BGRIMM On-line particle size analyzer



BGRIMM process mineralogy analyzer



Solenoid valve dosing machine



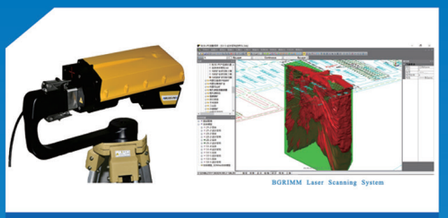
Dosing pump machine

Mining

- Rock Mechanics
- Intelligent &Efficient Mining Technology Equipment
- Deep And Remnant Ore Mining
- Mine Filling
- Explosive Technology Equipment
- Mining Safety



Underground Emulsion Explosive Charging Truck



3D Laser Scanner



Underground Mining Battery LHD



Underground Mining LHD And Dump Trucks



Load-Haul-Dump

The bucket has a load capacity from 2T to 14T and comes in three power configurations: diesel engine, cable towed electric, and battery power. Mainly used for the transportation of ore, waste rock, and auxiliary materials after blasting in underground tunnels of mines; It can also be used for loading and transporting loose materials for tunnel engineering in railways, highways, and water conservancy facilities.






Low Profile Dump Truck

The load capacity is between 5-45 tons, and comes in two power configurations: diesel engine and battery power. Suitable for non coal mines, it is mainly used for the transportation of ore, waste rock, and materials in underground tunnels. It can also be used for the transportation of tunnel engineering in railways, highways, and water conservancy facilities.






Service and Utility Vehicles

The underground service vehicle series consists of two main parts: 5-ton and 10 ton chassis vehicles and functional structures. Mainly used for transportation operations of various auxiliary materials (including packaged explosives) in underground mines, carrying people, refueling, lifting platforms, maintenance, etc.





