# Vibratory Mining Solutions

**Experts in vibratory equipment, systems and solutions.**

High energy output, low energy consumption.

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## GK Two-Mass flat deck and banana screens

GK Two-Mass flat deck and banana screens, in both single and double deck designs, achieve significant horsepower savings (and electrical cost savings) over brute-force designs. According to GK, screens operating at only 35 horsepower have replaced existing units operating at 75 horsepower or more. GK says its screens are load responsive, starting and stopping under a full load with no amplitude reduction.



## VIBRA-DRUM® grinding mill

According to GK, extensive run time has shown an 80% reduction in energy costs when utilizing the GK VIBRA-DRUM® grinding mill. Dry or wet grinding and in-vessel mechanical processing capabilities, including chemical leaching, result in a proven extraction of precious metals rates of +97% for some ores, per GK. GK states that only its grinding mill fractures the ore particle or breaks apart the ore on an existing fracture line, and that grinding media wear is virtually non-existent in a wet grind, with up to 95% media savings over conventional ball mills.



## Vibratory fluid bed dryers / coolers

According to GK, its vibratory fluid bed dryers / coolers operate with 40% less energy and eliminate the material breakdown found in conventional rotary style units. GK says the innovative design reduces down time, machinery maintenance, and the high wear costs found in other dryer designs.



## Vibratory pan feeders / totally enclosed feeders

GK vibratory pan feeders and totally enclosed feeders are designed 'mine-tough' for continuous product metering from under a hopper, with stops and starts under a full load or empty. GK reports capacities up to 4,000 tons per hour, and says the Two-Mass vibratory design is proven in hundreds of applications, many still in service after 40 years.



## UN-COALER® activator / feeder

The GK UN-COALER® activator / feeder combines pile activation with product metering, all in one device. GK says this integrated approach means no more stack up of equipment to reach final process goals, and that the UN-COALER® reduces tunnel height by 3 to 4 feet for a long tunnel, saving on installation costs. It is fully controllable with variable speed rates and can be linked with automated control systems for integration into new or existing installations.

*GK cites short lead times and on-time deliveries to keep projects on schedule and on budget.*


**Mine Resource Group, LLC**

Equipment, parts and plant services for aggregate producers in Indiana and Kentucky.

AUTHORIZED DEALER

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