

## High Energy Output, Low Energy Consumption



- ✓ **GK Two-Mass Flat Deck & Banana Screens**, in both single and double deck designs, achieve significant horsepower savings (and electrical cost savings) over brute-force designs. GK Screens operating at only 35 horsepower have replaced existing units operating at 75 horsepower or more. General Kinematics Screens are load responsive, starting and stopping under a full load with no amplitude reduction.
- ✓ Extensive run time has shown an 80% reduction in energy costs when utilizing the **GK VIBRA-DRUM® Grinding Mill**. Dry or wet grinding, in vessel mechanical processing capabilities, including chemical leaching, result in a proven extraction of precious metals rates of +97% for some ores. Only the GK Grinding Mill fractures the ore particle or breaks apart the ore on an existing fracture line to get results. Grinding media wear is virtually non-existent in a wet grind... up to 95% media savings over conventional ball mills.
- ✓ **General Kinematics Vibratory Fluid Bed Dryers / Coolers** operate with 40% less energy and eliminate material breakdown found in conventional rotary style units. The innovative design of GK Vibratory Fluid Beds reduce down time, machinery maintenance, and high wear costs found in other dryer designs.
- ✓ **General Kinematics Vibratory Pan Feeders & 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. With capacities up to 4,000 tons per hour, the GK Two-Mass vibratory design is proven in hundreds of applications, many still in service after 40 years.
- ✓ The **GK UN-COALER® Activator / Feeder** combines pile activation with product metering, all in one efficient device. This integrated approach means no more stack up of equipment to reach your final process goals. The UN-COALER® reduces tunnel height by 3 - 4 feet for a long tunnel, saving significantly in installation costs. Fully controllable with variable speed rates, this unit can be linked with automated control systems for seamless integration into new or existing installations.

**Short lead times & on time deliveries keep your project ON SCHEDULE & ON BUDGET!**