

# STANDARD BIN ACTIVATORS

## Activation Technology from General Kinematics

General Kinematics Standard Bin activators are designed to feed and meter bulk materials. GK's non-compacting "first in – first out" design discharges material without particle deterioration, and eliminates many of the bridging and rat-holing issues found in other forms of bin activation.

### HULA-HOPPER®

The General Kinematics HULA-HOPPER® is an improved vibratory equipment concept based on operating principles proven in thousands of General Kinematics installations. Within a single, extremely low headroom unit, HULA-HOPPER® combines material activation, infinitely variable flow rate control, and positive flow shut-off. Yet installation, service, and operating costs are dramatically lower than for comparable systems. As a two-mass vibratory unit, HULA-HOPPER® uses a low-horsepower motor drive, therefore electric power needs are minimal. Orbital action eliminates compacting and bridging because only material drawn out is activated.

### VIBRA-FLOW®

Vibratory bulk material reclaim has never been so dependable or versatile for rates up to 3,000 tons per hour or more depending on the product. The VIBRA-FLOW® Activator / Feeder combines the material delivery of tandem enclosed feeders with integrated pile activation, all driven by a single, low horsepower vibratory drive. Precise flow control can be adjusted electrically through a VFD, or pneumatically using Variable Force wheels. Since the unit discharges material vertically to the conveyor below, loading is always centered and symmetrical. This feature helps to eliminate belt tracking problems common to side feeding. The VIBRA-FLOW® also helps eliminate bridging and issues found with other bin or pile activators, using significantly larger hopper openings to the material pile.

**The 3-in-1 Design:** The VIBRA-FLOW® combines two feeders and a pile activator into a single, low-headroom unit, significantly reducing both tunnel width and height requirements. This reduction in tunnel size provides considerable cost savings during construction, while maintaining access for inspection and maintenance.



Standard Bin Activators



HULA-HOPPER®  
Bin Activator / Feeder



VIBRA-FLOW®  
Activator / Feeder