GENERAL KINEMATICS

ENGINEERED SOLUTIONS FOR CRITICAL PRODUCTION PROCESSES

FEEDERS FOR FOUNDRY

RUGGED, RELIABLE, & EFFICIENT FEEDING OF BULK MATERIALS

General Kinematics vibrating feeders offer an unequaled record of dependability and performance in the controlled feeding of bulk materials.

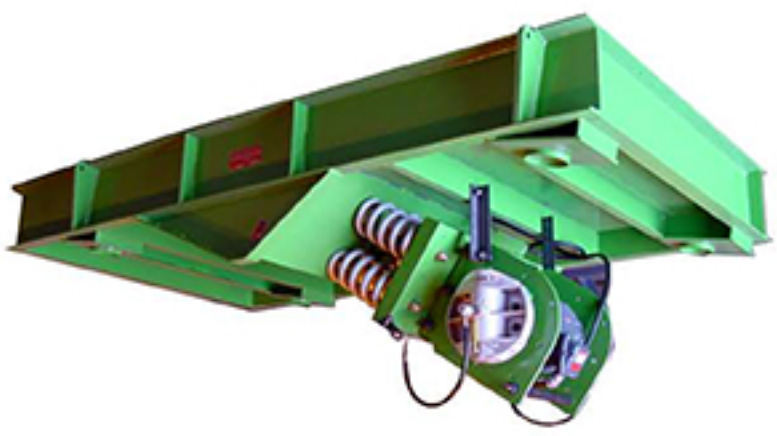
Designed to operate at subresonant natural frequency, our feeders are ideally suited for handling of castings, sprue, or sand. Multiple feeders can be arranged to weigh, meter, and feed raw or finished product.

ENERGY SAVING AND COST EFFICIENT

Economical power requirements and low operating costs are achieved by our Para-Mount II natural frequency two-mass drive system. By using this method there is a 3:1 reduction in required horsepower over similar brute force designs with a reduction in stress and wear force to the feeder. What this means to you is less money to operate the equipment with more uptime and increased reliability.

VARIABLE FORCE (VF) WHEEL

GK's exclusive Variable Force (VF) counterweight wheel design enables Para-Mount II feeders to smoothly deliver infinitely variable feed rates - from minimum to 100% of design capacity. By pneumatically adjusting the position of counterweights within the wheel in relation to the center of the motor rotation,varying centrifugal force alters the vibratory amplitude and feed rate. By using this method, the motor can maintain a continuous rpm and feed rate can easily be adjusted. Finite adjustments can be made while in process, and advanced control packages can be added to automate the process.



Bulletin GKF02

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TYPICAL FOUNDRY APPLICATIONS

Recommending the correct design is one of the most important factors in meeting your needs for vibratory conveyors. It goes beyond just fit and finish; our experienced design staff gives careful considerations to product factors such as bulk density, angle of repose, product size, and configuration to name just a few.

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