

## KAKKU HEAVY DUTY ELECTROMAGNETIC VIBRATORY FEEDERS

Vibratory feeders serve a range of applications, from the fixed-quantity supply of granular materials to the control of flow for processing.

### APPLICATIONS FOR KAKKU VIBRATORY FEEDERS

Foodstuffs	•	Ceramics	•	Crushed stone	•	Waste processing	•
Sugar refining	•	Plastics	•	Mining	•	Vehicles	•
Feedstuffs	•	Synthetic fibers	•	Sanitary ware	•	Machinery	•
Fertilizers	•	Paper making	•	Casting and forging	•	Electrical equipment	•
Chemicals	•	Tobacco products	•	Asphalt	•		
Glass	•	Iron and steel	•	Metals	•		

**Rubber-spring feeder**



**Electromagnetic feeder (flat-bottomed open trough)**



**Electromagnetic feeder (trough with outlet)**



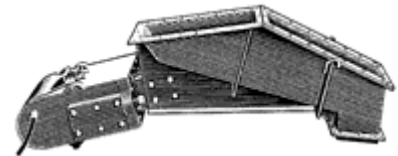
**Electromagnetic feeder (covered trough with mouth, outlet)**



**Electromagnetic feeder (top drive type trough)**



**Electromagnetic feeder (covered trough with outlet)**



"KAKKU" Vibrating Feeders provide the most efficient and economical method of conveying bulk materials. Vibrating Feeders are extensively used in Iron and Steel works, Collieries Quarries, Gas Works, Mines, Chemicals, Pharmaceuticals, Ceramics, Rubber, Clay and Glass Industries for handling all types of materials - big lumps of ore down to fine chemicals - hot or cold - dry or damp - Capacities from 50 grams to 2000 Tons per hour.

Vibrating Feeders protect the belt conveyors from damage by feeding the material onto the belt conveyors from storage hoppers, silos, surge hoppers and dumpers at a controlled rate.

Vibrating Feeders are operated by employing pulsating current. This current when passed through stator creates a series of interrupted pulls on the armature. The resultant is 3000 vibrations per minute.

Vibrating Feeders consist of Vibrating Tray fitted to a power unit of considerable weight. The Electromagnetic unit is mounted inside the heavy power unit. The power unit also houses the spring bars, which consist of a number of leaf springs clamped at the two ends of the power unit. A heavy fabricated center piece carries the magnet armature at one end and the Vibrating Feeder Tray at the other end. The center piece is tightly clamped around the middle of the spring system. The feed tray is of heavy welded construction with stiffeners and gussets to provide rigidity.

"KAKKU" Vibrating Feeder can be supplied with single magnet drive or with twin, dual twin magnet drives or multiple drives to serve as Vibratory Conveyors.

The absence of wearing mechanical parts, such as gears, cams, belts, bearings, eccentrics or motors make "KAKKU" Vibrating Feeders the most economical equipment



*Symbol Of Reliability*

## SELECTION CHART

STANDARD SIZES			
Type	Trough Size Width X Length	Capacity per hour of material weighing (100 Lbs./Cu. Ft) 1600 Kgs./Cu.Mt.	Power Consumption (Approx)
KVFB-001	200 mm X 500 mm	10 M. Tons (230 Volts)	150 Watts
KVFB-002	250 mm X 900 mm	20 M. Tons (230 Volts)	250 Watts
KVFB-003	600 mm X 900 mm	50 M. Tons (230 Volts)	500 Watts
KVFB-004	760 mm X 1050 mm	100 M. Tons (230 Volts)	1500 Watts
KVFB-005	900 mm X 1500 mm	200 M. Tons (400/440 Volts)	2800 Watts
KVFB-006	1070 mm X 1350 mm	300 M. Tons (400/440 Volts)	2200Watts
KVFB-007	1200 mm X 1500 mm	400 M. Tons (400/440 Volts)	4200 Watts
KVFB-008	1200 mm X 1800 mm	500 M. Tons (400/4400 Volts)	5600 Watts

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