

NEW TECHNOLOGY
FROM A REVOLUTIONARY CONCEPT



Vibrating sifters are changing.

VIBRATING CLASSIFIER TYPE R



KOWA

Patent pending

REVERSIBLE VIBRATING CLASSIFIER NOW ON THE MARKET



● Repeat screening/discharge cycles
(automatic batch operation)

◀ Near perfect sorting is achieved by moving the material in a direction reverse of that during discharge.

▶ Material remains on the screen until it has been completely separated.

● Near perfect sorting of more than 95%

● Complete discharging

◀ An adjustment function to achieve quick discharging in the shortest time boosts work efficiency.

Applicable for all models: KF, KFO, KG, KGO and C types

Setup of Type R vibrating classifier

The Type R is used in combination with a control panel (option). Control panel for an individual vibrating classifier or the linked operation of a vibrating classifier and a material feeder are available.



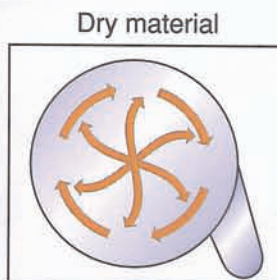
Type R vibrating classifier can be used with:

- Products requiring batch processing
- Products requiring exact high-accuracy sorting
- Products that are difficult to sort
- Products which require complete removal of smaller particles.
- "Media" classification

R

Features that make Type R different from the rest

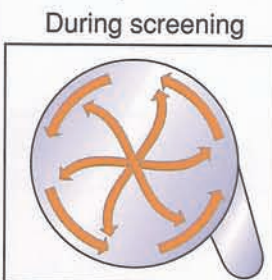
Comparison of Type R with conventional vibrating sifters
— Counter weight adjustment and material flow —



Conventional sifters

Conventional vibrating sifters adjust the rotation phase of a bottom weight to match the particle size, specific gravity and other properties of the material to move it along.

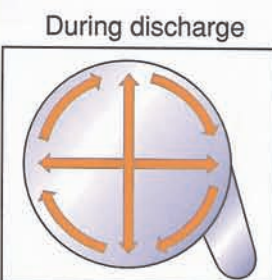
- Material always turns **clockwise**.



Type R

Material being screened with Type R turns counter-clockwise in the screen frame. This prevents unsorted material from being discharged from the frame, leading to longer retention on the screen. Also, the portion of screen most effective in screening the particular material is used, enabling near perfect sorting.

- Material turns **counterclockwise** during screening.



95% or higher sorting accuracy and perfect discharging

When discharging the material, the weight's phase angle is adjusted so that the material moves clockwise and is discharged completely in the shortest amount of time.

- Material moves **clockwise** on the screen during discharge.

Sorting accuracy with Type R (Measured with KGOR-500-1D)

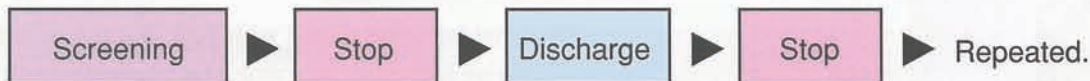
Material	Specific gravity	Model	Mesh	Processing capability	Sorting accuracy
Metal powder	3.3	KGOR-500-1D	230mesh	129kg/hr	99%
Carbon	0.6	KGOR-500-1D	1000mesh	4.2kg/hr	90%
Metal powder	2.0	KGOR-500-1D	200mesh	15kg/hr	97%
Silica	0.9	KGOR-500-1D	200mesh	69kg/hr	97%
"Media"	1.5	KGOR-500-1D			100%

Operation sequence with control panel (All operations are timer-controlled)

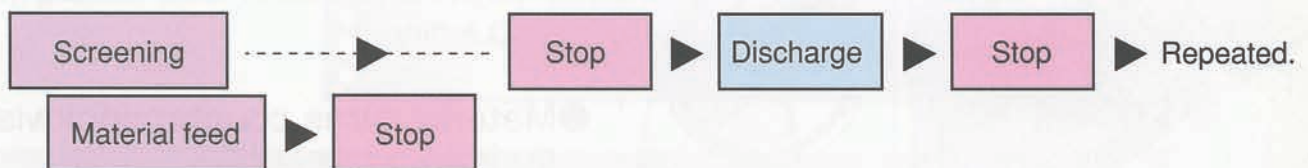
● Single batch operation



● Continuous batch operation



● Linked operation of material feeder and sifter



We can help if you would like to use Type R in combination with your existing material feeder, or if you plan to develop your own control sequence. Please call us.



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