



Vibrating Feeder

The [vibrating feeder](#) is used to transfer the large size materials and granular materials from hopper to receiving device uniformly, periodically and continuously in the production flow and to feed materials into the crusher continuously and uniformly also to screen the materials in the sandstone production line. It is widely used to match the crushing and sieving equipments in many industries including metallurgy, coal mine, mineral dressing, building material, chemical, grinding, etc.



Feature Of Vibrating Feeder

- 1) flexible design
- 2) extra heavy-duty construction
- 3) exclusive vibrator technology
- 4) Good performance-conditioning, no flushing phenomenon of materials.
- 5) easy maintenance and low operating cost



Operating Principle Of Vibrating Feeder

The [Vibrating Feeder](#) is mainly composed of vibrating machine frame, vibrator, spring, vibrating frame of motor and motor. Vibrator is composed of a pair of gear wheels coinciding with gnaw in two eccentric centers forming specific position. When assembled, two gear wheels must be meshed with each other according to marking and are driven by motor to revolve two eccentric shafts, thereby, huge synthetic straightline excitation force is produced and it make machine body carry out forced vibration on bearing spring, and then, this vibration is taken as moving force to make materials carry out slip and sling motion, thereby the goal moving material forward is reached. When materials pass screen bar on trough body, smaller materials may drop through space between screen bars, and make them pass the next crushing process produce and have an effect of sieve classification.

Application Of Vibrating Feeder

- (1) After stable vibration, the machine may run with loading;
- (2) Feeding should conform to requirements of trial run with load;
- (3) The [vibrating feeder](#) halt is carried out according to process procedures. Forbide that stop machine with material or continue feeding material after stopping machine.

Technical Data Of Vibrating Feeder

| Models | Trough size (mm) | Max.-Feed size(mm) | Feeding capacity (t/h) | Spindle speed (r/min) | Power (kw) | Weight (kg) |
|-------------|------------------|--------------------|------------------------|-----------------------|------------|-------------|
| ZSW-300x70 | 3000x700 | <500 | 60-120 | 350-800 | 7.5 | 3225 |
| ZSW-380x96 | 3800x960 | <500 | 100-160 | 350-800 | 11 | 4210 |
| ZSW-490x96 | 4900x960 | <500 | 120-200 | 350-800 | 15 | 5004 |
| ZSW-360x110 | 3600x1100 | <500 | 100-160 | 350-800 | 11 | 4321 |
| ZSW-490x110 | 4900x1100 | <580 | 200-300 | 350-800 | 15 | 5410 |
| ZSW-590x130 | 5900x1300 | <700 | 300-400 | 750 | 22 | 7900 |
| ZSW-600x110 | 6000x1100 | <600 | 400-500 | 350-800 | 22 | 8200 |



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