

# Vibrating Feeder



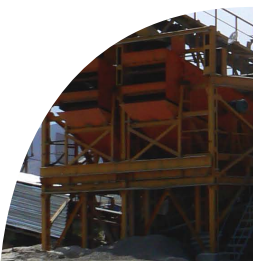


## Overview

SBM vibrating feeder is designed and built to withstand the toughest work in a quarry or mine by matching different applications; This vibrating feeder series is designed particularly for continuous use with any hard and abrasive materials through uniform flow. Vibrating feeder works to continuously and evenly feed lump, particle and powdered materials from hopper to belt conveyer, bucket elevator, screens and crushing machines, etc. Steeples regulation is available for SBM's vibrating feeder to automatically and centrally control the feeding volume.

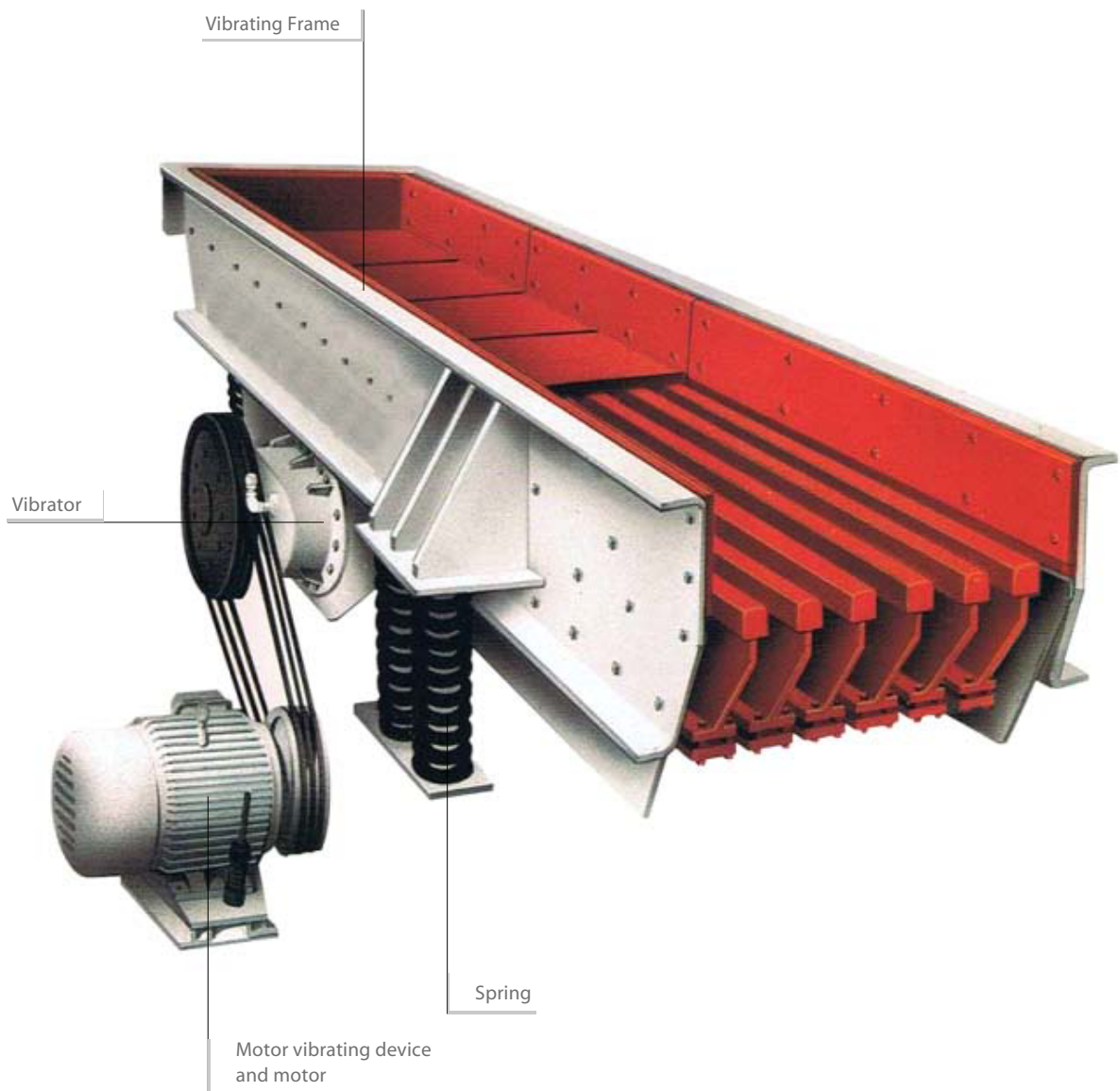
## Application

Vibrating feeder can continuously and evenly send materials to crusher and roughly screen them. The company vibrating feeder matches crushing and screening machines in many areas, such as metallurgical industry, coal mining, mining-selecting, building, chemical and grinding industry, etc.



# Main Structure

Vibrating feeder consists of vibrating frame, spring, vibrator, motor vibrating device and motor.





## Working Principle

Vibrating feeder consists of vibrating frame, spring, vibrator, motor vibrating device and motor. The vibrator is made of two fixed eccentric shafts whose gears are jogged. When installation, the two gears must be jogged according to the sign. Through drive of the motor, the two eccentric shafts start rotating to produce a linear huge power which forces the feeder to vibrate. Through the vibration, the materials will slip and sling on the funnel, moving forward, when the materials pass the screening part, smaller parts will fall down, and avoiding the further crushing, so screening purpose can be reached.

## Maintenance

1. Regular maintenance and examine are the main methods to prolong the using life and guarantee the normal work of the vibrating feeder, customers should pay special attention to it. For lubricating oil, the following issues deserve more attention:

- ◆ Thin oil splash lubrication are adopted in the vibrating feeder, the location and climate decide the choice of lubricating oil, the gear oil are generally adopted;
- ◆ Ensure the thin oil in the vibration exciter of vibrating feeder is above the oil level indicator (infuse through joint bending pipe); replace oil every 3-6 months, before infusing fresh oil, wash surface of the vibrating feeder oil tank, bearing rolling path and gear wheels by clean gasoline or kerosene.

2. Safety technology

- ◆ The machine operators should take safety technology education while running the vibrating feeder;
- ◆ During operation, strictly prohibit standing near vibrating feeder, touch machine by hand, adjusting, cleaning or repairing.



# Technical Data

Model	Max input size (mm)	Capacity (t/h)	Motor power (kw)	Installation Slope	Weight (t)	Size of funnel (mm)	Overall dimension (l×w×h)(mm)
<b>GZD-180×80</b>	300	30-80	2×1.5	0-10	0.8	1800×800	2200×1100×800
<b>GZD-200×120</b>	300	80-500	2×2.2	0-10	0.9	2000×1200	2000×1200×855
<b>GZD-300×90</b>	300	40-100	2×2.2	0-10	1.5	3000×900	3050×1430×1550
<b>ZSW-380×96</b>	500	90-200	11	0°	3.98	3800×960	3882×2224×2121
<b>ZSW-420×110</b>	580	150-350	15	0°	5.0	4200×1100	4250×2500×1365
<b>ZSW-490×110</b>	580	180-380	15	0°	5.32	4900×1100	4957×2500×1365
<b>ZSW-490×130</b>	750	250-450	22	0°	5.9	4900×1300	4957×2580×2083
<b>ZSW-600×130</b>	750	450-800	50	0°	7.8	6000×1300	6082×2580×2083
<b>ZSW-600×150</b>	800	600-1000	30	0°	8.67	6000×1500	6082×2660×2400

Note: This specification is just reference, any changes are subject to the vibrating feeder products.



# Service

Since the establishment, Shanghai Shibang Machinery Co., Ltd has regarded "All is for clients" as its service goal and has provided high-quality, high-taste, high-efficient and all-around-way service for its clients.



Service Promise: from the design process to delivery, we do every step carefully to satisfy clients to the best.

## 1. Pre-sale services

Act as a good adviser and assistant of clients; enable them to get rich and generous returns on their investments.

- ◆ Select equipment model
- ◆ Design and manufacture products according to clients' special requirement
- ◆ Train technical personnel for clients

## 2. Services during the sale

Respect clients; devote ourselves to improving the total value of clients.

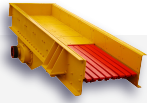
- ◆ Pre-check and accept products ahead of delivery
- ◆ Help clients to draft solving plans

## 3. After-sale services

Provide considerate services to minimize clients' worries.

- ◆ Assist clients to prepare for the first construction scheme
- ◆ Install and debug the equipment
- ◆ Train the first-line operators on site
- ◆ Examine the equipment regularly
- ◆ Provide maintenance for big items
- ◆ Provide technical exchanging
- ◆ Provide perfect service
- ◆ Distribute the guarantee fittings door-to-door
- ◆ Take initiative to eliminate the troubles rapidly at site





Vibrating Feeder

# SHANGHAI SHIBANG MACHINERY CO., LTD

## Head Office

Add: No. 416 Jianye Road, South Jinqiao Area, Pudong  
New Area, Shanghai, China.

Postcode: 201201

Tel: 0086-21-58386189 0086-21-58386176

Fax: 0086-021-58386211

Email: [sbm@sbmchina.net](mailto:sbm@sbmchina.net)

Website: [www.shibang-china.com](http://www.shibang-china.com)

Website: [www.shibang-china.com](http://www.shibang-china.com)

*Any change of technical data shall not be advised additionally.*