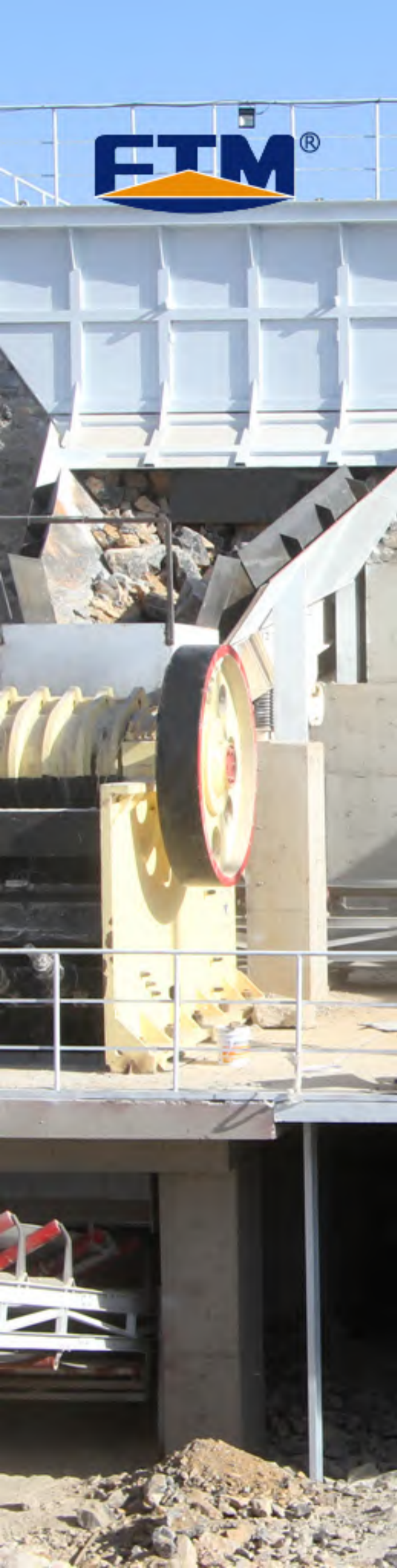


VIBRATING FEEDER FOR **ALL YOUR** NEEDS



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FORTY YEARS OF PRODUCTION EXPERIENCES



Henan Fote Mining Machinery Co., Ltd. is a joint-stock mining machinery enterprise integrated in scientific research, production and marketing, which mainly produces heavy-duty mining machines. The advanced technologies have been introduced from America, Germany, Japan and Australia.

The international advanced production line, first-class modern testing base and research centers of sand making, powder grinding, ore beneficiation and building material equipment are established.

The enterprise has

- Scientific management
- Excellent manufacturing technologies
- Creative manufacturing ideas
- Rapidly developed into high-end production and export base.

The enterprise covers an area of over 350,000 m²

Standardized heavy-duty industrial plants of 260,000 m²

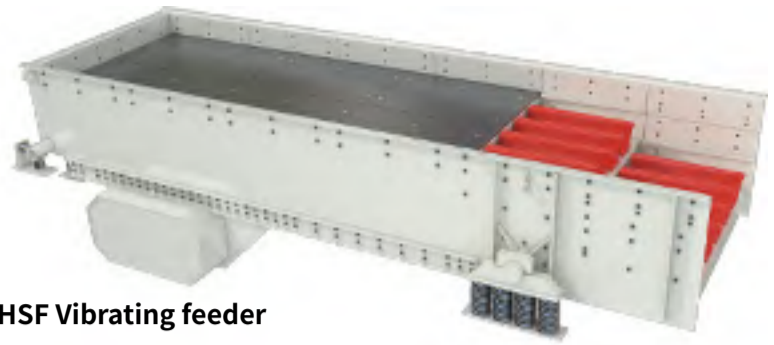
More than 600 large and medium-sized equipment

More than 2,300 employees, including more than 360 high-tech talents



VIBRATING FEEDER USAGE

The machine is used for feeding by vibrating. It is suitable for mine selection, building materials, silicate and chemicals. It can transfer and screen ore and rock with granularity less than 850mm.



• HSF Vibrating feeder



• ZSW Vibrating feeder

Main technical parameters

Model	Max.Feeding Size (mm)	Processing Capacity (t/h)	Motor Power (kw)	Obliquity of material trough (°)	Trough size (mm)	Dimensions (L×W×H)(mm)
GZD-650×2300	300	80-100	1.2×2	10-20	650×2300	2300×1360×780
GZD-750×2500	350	100-130	1.5×2	10-20	750×2500	2500×1460×780
GZD-850×3000	400	120-150	3×2	10-20	850×3000	3110×1800×1600
GZD-1000×3600	500	150-200	3.7×2	10-20	1000×3600	3850×1950×1630
GZD-1100×3600	580	240-300	3.7×2	10-20	1100×3600	3600×2050×1660
GZD-1300×3600	650	450-600	7.5×2	10-20	1300×3600	3900×2350×1750
GZD-1500×3600	1050	450-1000	7.5×2	10-20	1500×3600	3900×2000×1750
GZD-2000×3600	1200	550-1000	10×2	10-20	2000×3600	3600×2000×1750
GZD-2500×5000	1500	650-1500	18×2	10-20	2500×5000	5000×2500×1800
ZSW-380×95	500	100-180	11	0-10	3800×960	3920×1640×1320
ZSW-490×110	630	150-400	15	0-10	4900×1100	4980×1830×1320
ZSW-490×130	750	400-700	22	0-10	4900×1300	4980×2580×2083
ZSW-600×130	750	400-700	22	0-10	6000×1300	6082×2580×2083
ZSW-600×150	800	500-900	30	0-10	6000×1300	6086×2662×1912
ZSW-600×180	900	700-1300	45	0-10	6000×1500	6310×3262×2230
ZSW-600×200	1200	800-1500	55	0-10	6000×2000	6310×3462×2230

Main technical parameters

Model	Trough Size (mm)	Length Of The Bar (mm)	Maximum Feeding Size (mm)	Application	Maximum Processing Capacity (t/h)	Main Motor Power (kw)
HSF1040	1000×4000	1×900	700	fixed/movable	400	15
HSF1245	1200×4500	1×900	800	fixed/movable	500	22
HSF1262(S)	1200×6200	2×900	800	fixed	500	22
HSF1345	1300×4500	1×900	900	fixed/movable	750	22
HSF1362(S)	1300×6200	2×900	900	fixed	750	30
HSF1562(S)	1500×6200	2×900	1000	fixed	800	30
HSF1862(S)	1800×6200	2×900	1200	fixed	1200	37
HSF2162	2100×6200	2×900	1500	fixed	1700	45

Working principle and structural characteristics

• GZD Vibrating feeder

The GZD series vibrating feeder is made up by spring support, vibrating feeding box, vibrating motor, spring and motor support etc. Vibrating exciter is formed by two vibrating motors. During installation, the two motors must be symmetrical. Motor drives the two eccentric shafts to rotate, which generates great linear exciting-vibrating force, this forces the support to vibrate. Because of this vibration, the material will move forward and smaller materials drop down rather than going to the crushing process.

• ZSW Vibrating feeder

The ZSW series vibrating feeder is built up by spring support (1), vibrating machine support (2), vibrating machine (3), spring (4), vibrating machine support (5), motor and motor support (6). Motor Vibrating exciter is formed by two eccentric shafts on certain position meshed by gear wheels. During installation, the two gear wheels must mesh together under the guidance of marks on it. Motor drives the two eccentric shafts to rotate, which generates great linear exciting-vibrating force, this forces the support to vibrate. Because of this vibration, the material will move forward and smaller materials drop down rather than going to the crushing process.



Installation, adjustment and operation

The manufacturer sends the machine set after assembly and unloaded test run. Customers should check carefully when receiving the machine to avoid problems that might happen during transportation. The following issues should be paid attention to during the installation, adjustment and operation.

I. For the machine generates great vibration; we suggest installing the feeder onto concrete foundation, and calculating the foundation height, depth and area according to earth condition. The suggested foundation weight is twice as heavy as feeder. For the installation dimensions, please refer to the drawing. The foundation height and discharging form are decided by the local terrain and there are two forms available: steel structure and concrete platform. Customers can increase or decrease the height to adapt to the next process.

II. The discharging chute trough or chute funnel is the accessory anchoring device, and the clearance with the machine is 90mm vertically and 40 mm horizontally.

III. Install the spring support and keep the horizontal line of two supports with 5°.

IV. Test running the machine when the installation and adjustment are finished, the unloaded test run should reach the following standards:

- Two hours of continuous operation;
- No loosen phenomenon to any firmware;
- No abrasion, scrape or attrition to any frictional parts; no unusual noise and vibration stably.

The loaded test run should reach the above standards as well as below:

I. In order to protect the supporting springs and keep smooth operation, materials should not direct impact with the machine trough, one-sided feeding or stack feeding are also not allowed.

II. The Max. granularity should in accordance with regulation.



Operational regulations

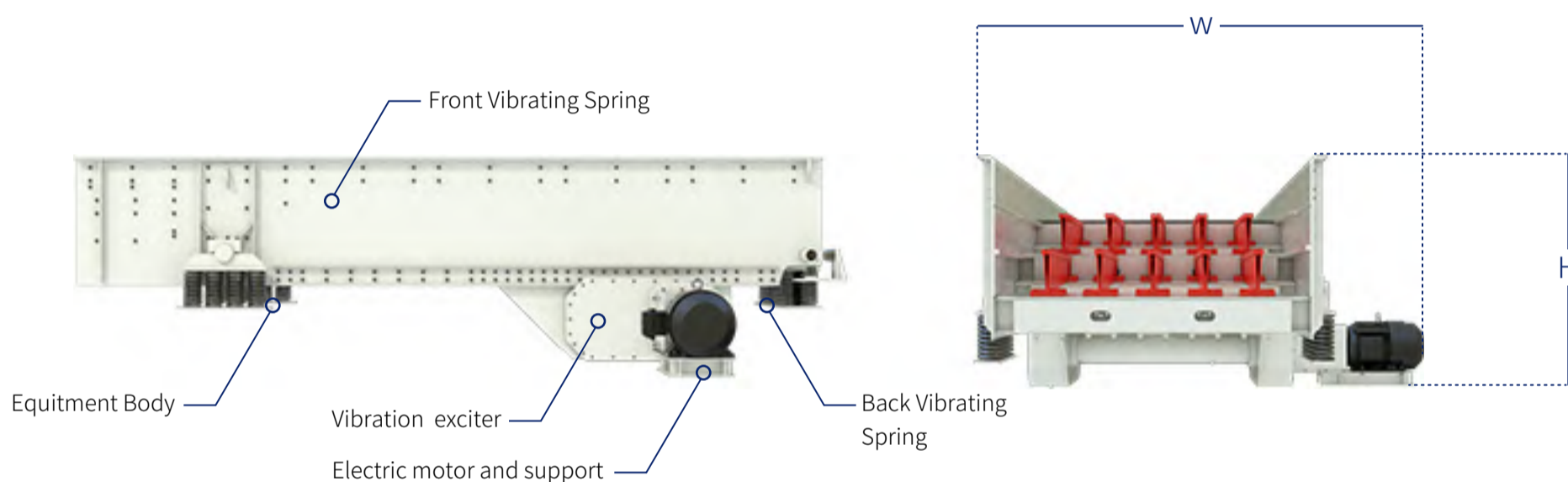
I . Preparation work before starting machine:

- Check the Duty-log and deal with the unfinished problems;
- Check and eliminate materials and impurity in the chute trough and between springs and support, which might affect the machine operation;
- Check and make sure all the firmware is fastened;

II . Start

- Check and make sure the machine and transmission part are normal, then start the machine;
- The machine can only be started when unloaded.

Structural drawing



Bearing and V-belt of vibrating feeder

Vibrating feeder model		ZSW380×95	ZSW490×110	ZSW600×130
Bearing	Type	3618	3618	3622
	Quantity(set)	4	4	4
V-belt	Type	C2800	C2800	C2800
	Quantity (piece)	4	4	4

Fueling method

I . ZSW series vibrating feeder:

This equipment is transmitted by gear. The most distinguishing feature is that it has a fuel tank, with oil filling hole and viewing hole. Machine oil must be filled before test running. The advisable quantity is overflowing the viewing hole. (approximately one third of fuel tank's volume). Hereafter, gear oil should be replaced every three months.

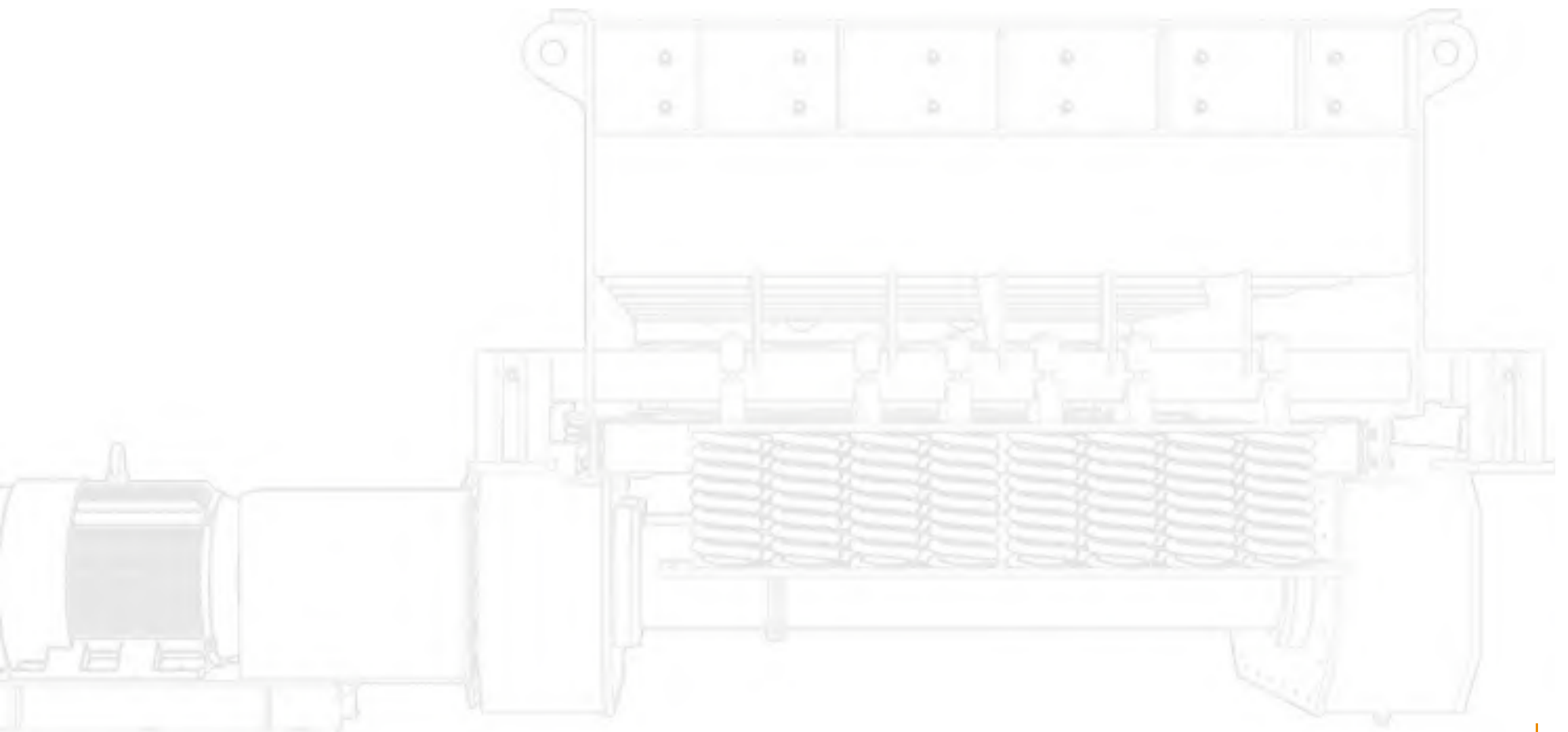
II . GZD series vibrating feeder:

The characteristic of the equipment is that the main body is consisted of two vibrating motors, which is also the original power of the equipment. When first using, the protecting caps at both ends of the motor must be opened. Check whether the eccentric blocks at both ends are accordant or not. Besides, the rotation direction of the two vibrating motors should be relative direction. The two sections overlap together, small angle, strong vibration force; on the contrary, big angle, weak vibration force (solve problems based on practical situation).

Lubrication (oil feeding) Instruction for ZSW Vibrating Feeder

Note:

This equipment is transmitted by gear. The most distinguishing feature is that it has a fuel tank, with oil filling hole and viewing hole. Machine oil must be filled before test running. The advisable quantity is overflowing the viewing hole. (approximately one third of fuel tank's volume). Hereafter, gear oil should be replaced every three months.



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