SYT | Expert in Powder Processing Solutions for 30 Years

VIBRATING FEEDER CONVEYOR

Stable Feeding,Adjustable Flow Rate, Wide Application Range



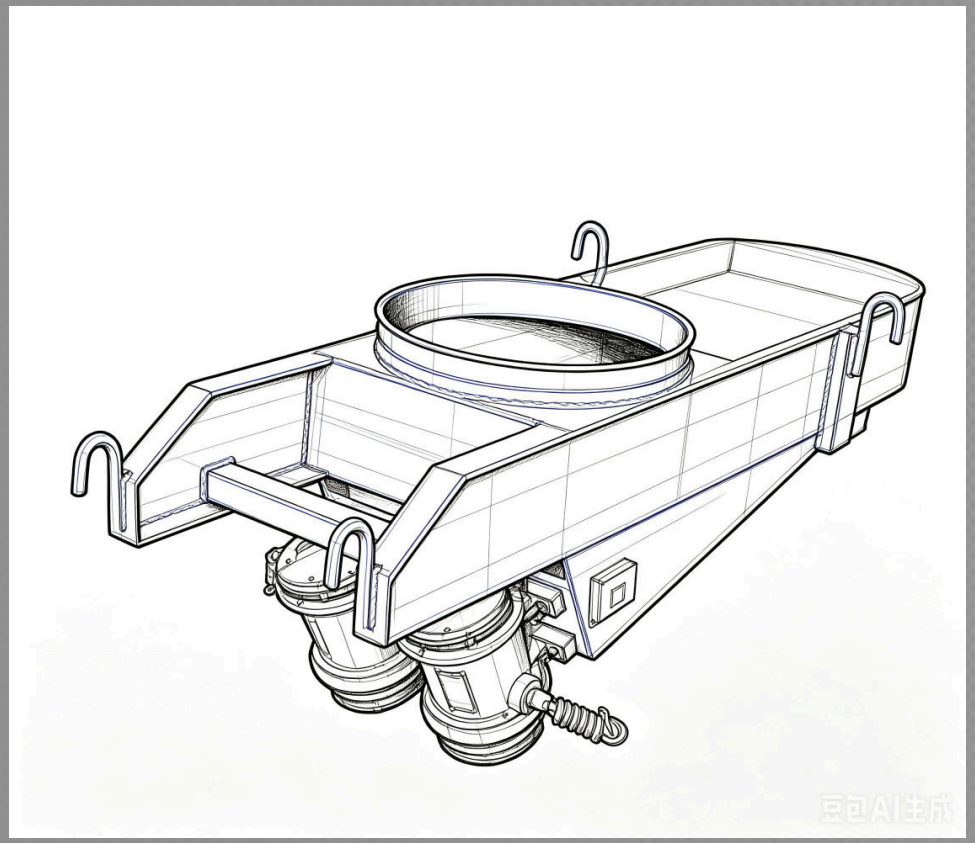
- Delivers steady, uniform feed for downstream processingLess consumption, long life,
- Flexibly regulates throughput via excitation force or invertersHigh screening efficiency
- Handles varied materials and suits multiple industrial sectors
- Supports long-term stable runs for automated production







WORKING PRINCIPLE



The GZG feeder adopts two synchronous eccentric vibration motors to generate resultant force angled at 60° from the horizontal plane. Periodic vibration makes materials inside the trough throw and slide for steady feeding. The feeding throughput can be adjusted by modifying excitation force or inverter frequency.

STRUCTURE

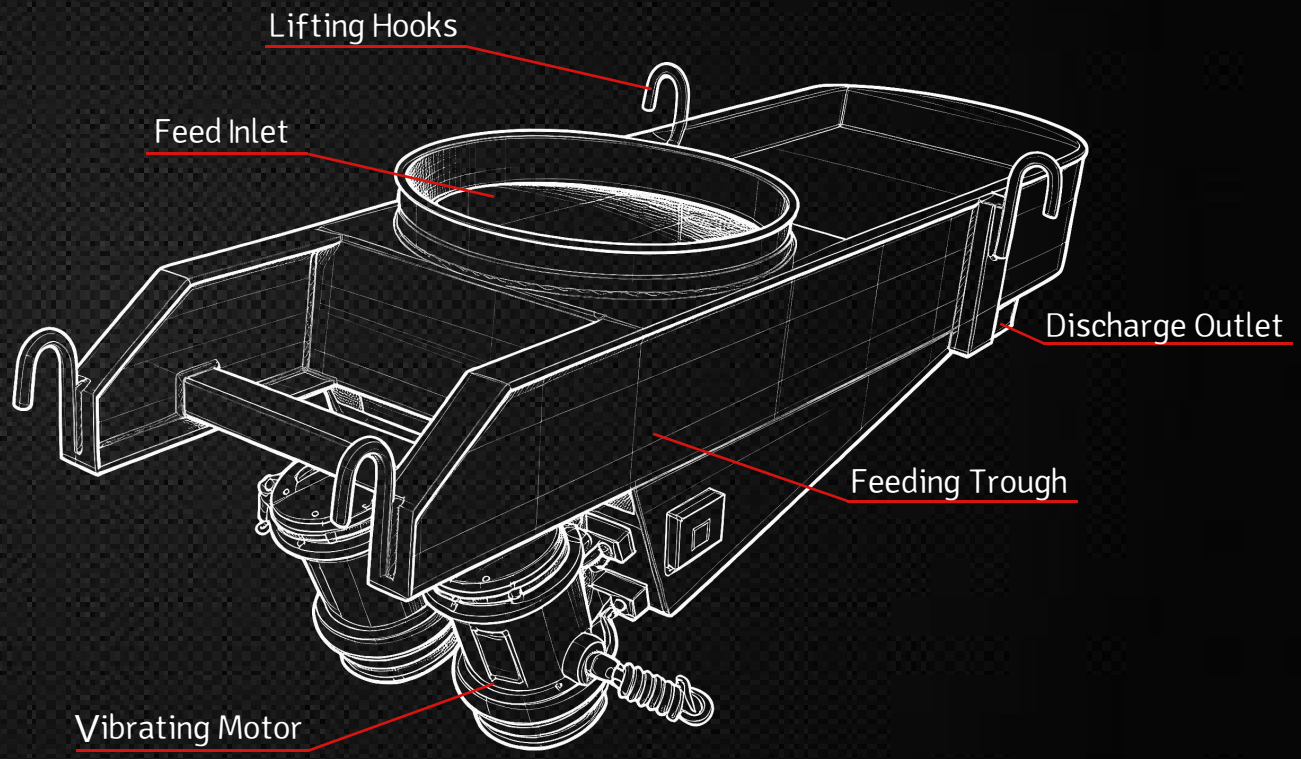
1. Feed Inlet
Function: Materials from upstream fall into the feeding trough through this opening, which serves as the inlet of the machine.

2.Feeding Trough
Function: It holds materials and moves them forward via the vibration of the trough body.

3. Discharge Outlet
Function: Vibrated materials are discharged here and delivered to downstream equipment such as crushers and screening machines.

4. Lifting Hooks
Function: Ropes can be fastened on these hooks for transportation and suspended mounting of the equipment.

5. Vibrating Motors
Function: As the power source, the two motors run synchronously to generate excitation force and produce periodic trough vibration for material conveyance.



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FEATURES

01

Uniform and Stable Feeding

It discharges materials quantitatively and ensures steady feeding for downstream working procedures.

02

Adjustable Feeding Flow

Feeding speed can be flexibly controlled by adjusting excitation force and inverter parameters.

03

Wide Material Adaptability

It transports lump, granular and powdery materials, suited for feedstock with particle sizes ranging from 20 to 360 mm.

04

Diversified Industry Applications

It fits extensive application scenarios including metallurgy, coal chemical industry, building materials, ceramics, grain processing and more sectors.

05

Compatible with Automated Production

It supports automatic batching and quantitative packaging to realize automated assembly-line operation.

TECHNICAL PARAMETERS

型号 Model	生产率 Productivity (t/h)	给料槽宽*长*高 Feeding Trough Width × Length × Height (mm)	运行方式 Operation Mode	粒度 Particle Size (mm)	电机功率 Motor Power					重量 Weight (kg)
					电压 Voltage (V)	频率 Frequency (Hz)	电机功率-型号 Motor Power - Model	电机功率-功率 Motor Power - Rated Power (kW)	振动频率 Vibration Frequency (times/min)	
GZG30-4	15	300*1000*160	连续	120	380	50	YZD2.5-4	0.18*2	1450	110
GZG40-4	30	400*1200*160		120			YZD5-4	0.25*2		155
GZG50-4	50	500*1200*160		120			YZD8-4	0.4*2		190
GZG60-4	80	600*1800*180		180			YZD16-4	0.75*2		410
GZG70-4	100	700*1800*200		180			TZP20-4	1.1*2		440
GZG80-4	200	800*2000*225		200			TZD32-4	1.5*2		640
GZG90-4	300	900*1500*300		250			TZD50-4	2.2*2		730
GZG110-4	400	1100*1500*300		250			TZD50-4	2.2*2		900
GZG130-4	500	1300*1500*400		350			TZD50-4	2.2*2		1000
GZG70-6	80	700*1800*200		150			YZD20-6	1.5*2	960	440
GZG80-6	160	800*2000*225		180			YZD30-6	2.2*2		670
GZG90-6	240	900*1500*300		240			YZD40-6	3.0*2		740
GZG110-6	320	1100*1500*300		240			YZD40-6	3.0*2		940
GZG130-6	400	1300*1500*400		240			YZD50-6	3.7*2		1040
GZG150-6	500	1500*1800*500		320			YZD50-6	3.7*2		2000
GZG180-6	800	1800*1800*500		320			YZD75-6	5.5*2		2590
GZG200-6	1000	2000*2000*500		360			YZD75-6	5.5*2		3700

PRODUCT DISPLAY













APPLICATION

Chemical Industry

Resin, alkali coating, rubber powder, industrial drugs, traditional Chinese medicine powder rubber particles, cosmetics, aluminum chloride solution, paint, etc.

Food Industry

Sugar powder, soy starch, steviol glycosides, salt, rice flour, rapeseed, milk powder, soy milk, egg powder, soy sauce, juice, etc.

Metallurgical Mining

Limestone, metal ore, cryolite, kyanite, magnesite, mica, quartz sand, quartzite, dolomite, kaolin, silica, graphite, diabase

Pollution Treatment

Resin, alkali coating, rubber powder, industrial drugs, traditional Chinese medicine powder rubber particles, cosmetics, aluminum chloride solution, paint, etc.



















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THE SERVICES WE CAN PROVIDE

Sanyuantang Machine Co., Ltd. has been engaged in foreign trade export for more than 10 years. Its rich export experience ensures that you have worry-free purchasing.

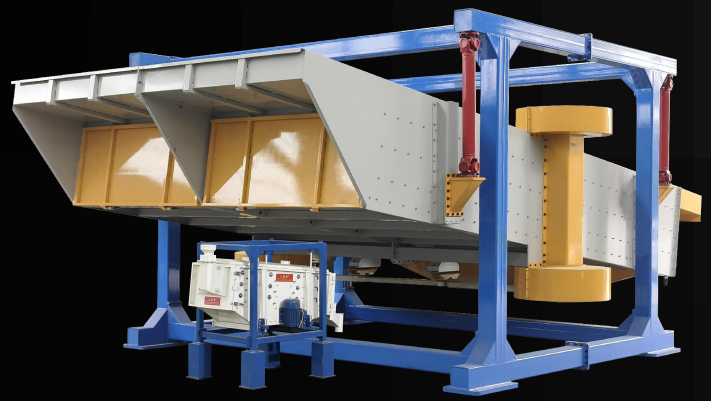
When you cooperate with us, you can enjoy:

① Timely response through various communication tools.

② Professional technical guidance to choose the most suitable product for you.

③ Economical transportation scheme to cut down transportation cost.

④ Thoughful after-sales tracking service from the installation to the daily maintanence.







Xinxiang Sanyuantang Machine Co., Ltd.

website:www.sanyuantangcn.com / www.vibrationsieve.com

Add:No.88, Northeast Corner of Gouwang Village, Qiliying Town, Xinxiang County, Xinxiang City, Henan Province, China.

Email:info@sanyuantang.com

Whatsapp/ Wechat: 0086 18639095165