



PREM ENGINEERING WORKS

Manufacturers of : Stone Crushing Plant & Their Spare Parts

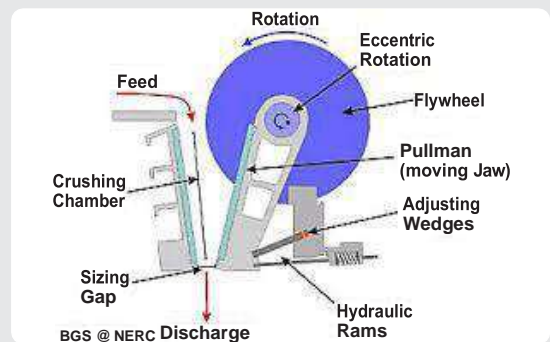
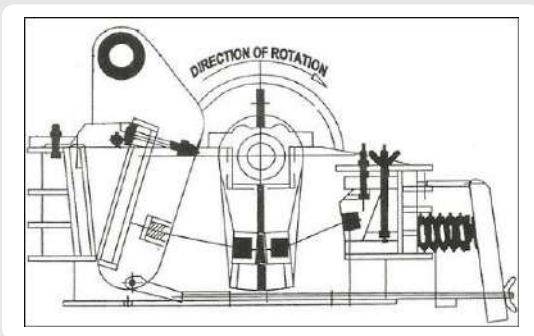
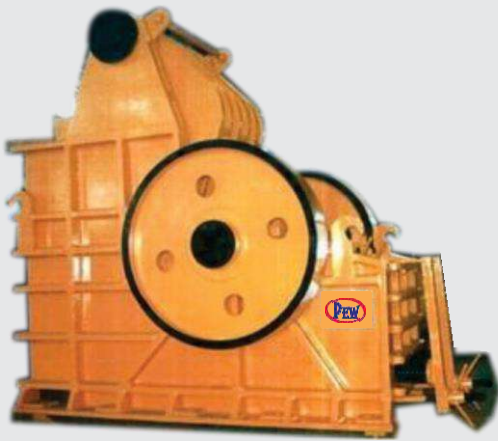
A S ENGINEERS

DEALER OF STONE CRUSHING PLANT AND SPARES

We Serve Quality &
Durability



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DESCRIPTION

PEW Series Jaw Crusher is the new generation of jaw crusher with optimized and developed design, which is based on absorbing the high impact load and smooth running by using of the international advanced technology. Compared with the equivalent-size crusher, it exceeds with better capacity, bigger crushing ratio, lower running cost, as well as the friendly, stable and reliable

operation. PEW jaw crusher series is the preferred products for primary crushing as well as secondary crushing.

TECHNICAL DATA FOR JAW CRUSHER MACHINE

Model	Feed Opening (mm)		Close Size Setting (mm)	Capacity (TPH)	Required Power (HP)	Approx. Weight Kgs.
	Min.	Max.				
PEW 300x500	300	500	500	20-60	30	5500
PEW 375x750	375	750	750	40-110	50	11000
PEW 550x750	500	750	750	50-125	60	11200
PEW 600x900	600	900	900	60-180	100	18000
PEW 750x1050	750	1050	1050	125-250	175	28000
PEW 900x1200	900	1200	1200	150-360	215	44000
PEW 1000x1200	1000	1200	1200	170-400	250	45500
PEW 1200x1500	1200	1500	1500	410-850	300	7800

Capacity show are in Tons Per Hour having Bulk Density $1.6t/m^3$.

FEATURES

- ↓ Newly V-type of crushing chamber: the crushing capacity will be highly increased, the product size will be finer and crushing performance will be better.
- ↓ The CSS can be adjusted to even smaller, which makes the product size finer.
- ↓ The discharge opening shall be adjusted by the hydraulic cylinder together with wedges, which will be operated conveniently and efficiently.
- ↓ In order to meet the different needs there are two different installation design for motor: it can be integrated installation with the crusher frame or installed on the ground.
- ↓ The integrated structure of main bearing housing and swing jaw makes the transportation more easier and the installation more convenient.
- ↓ The optimal moving trail and the counterweight balance reduces the dynamic load, vibration amplitude and noise, and stable operation.
- ↓ Smart structure, stable and reliable, easy and convenient maintenance.
- ↓ The toggle plate and the swing jaw plate have the lateral deviation function.
- ↓ Compared with the normal type of crushing chamber, the new type of crushing chamber will make the throughput capacity increased by 15-20%.

Remarks:

1. The capacity listed from the table is the corresponding parameters to crush the rock with the loose density of $1.6t/m^3$ (a feed material with an average specific gravity of $2.7t/m^3$).
2. The processing capacity shall be changed according to the different materials and different feeding.
3. The CSS refers to Closed Side Setting. The measuring method will be decided by the tooth profile of the jaw plates. The processing capacity and the product size shall be changed according to the different tooth profile.



DESCRIPTION

PEW Series Vibrating Screen is designed by our company based on many years practical experience and global conditions. It is widely used in the screening and classifying application for unconsolidated minerals and rocks in mining, building and building materials industries. PEW Series Vibrating Screen is usually used in materials' dehydration and screening. The single deck, double decks, triple decks or multiple decks vibrating screens can be supplied and used for dry or wet screening applications according to different customer requests. PEW Series Vibrating Screen have advantages of smart structure, high screening efficiency and high throughput capacity, which has been proved by production practices.

FEATURES

- ↓ The frequency, amplitude and angle of vibrating screen can be adjusted, which increases screening efficiency.
- ↓ It can use the wire screen or polyurethane screen (tension type and modular type) with different mesh size.
- ↓ The vibration exciter of PEW series vibrating screen has been designed with block eccentric, external modular and integrated, and can be lubricated by oil lubrication or thin oil automatic lubrication.
- ↓ Flanged side plate, beam and supporting base are connected with high-strength bolts. So that there is no welding stress existed. Elimination of vibration technology is applied to avoid horizontal shaking caused by sympathetic vibration when start or stop the machine.
- ↓ The composite rubber springs are used with features of stable vibration and low noise.
- ↓ It is optional to use the dust-proof sealing device for the vibrating screen according to customers' request.

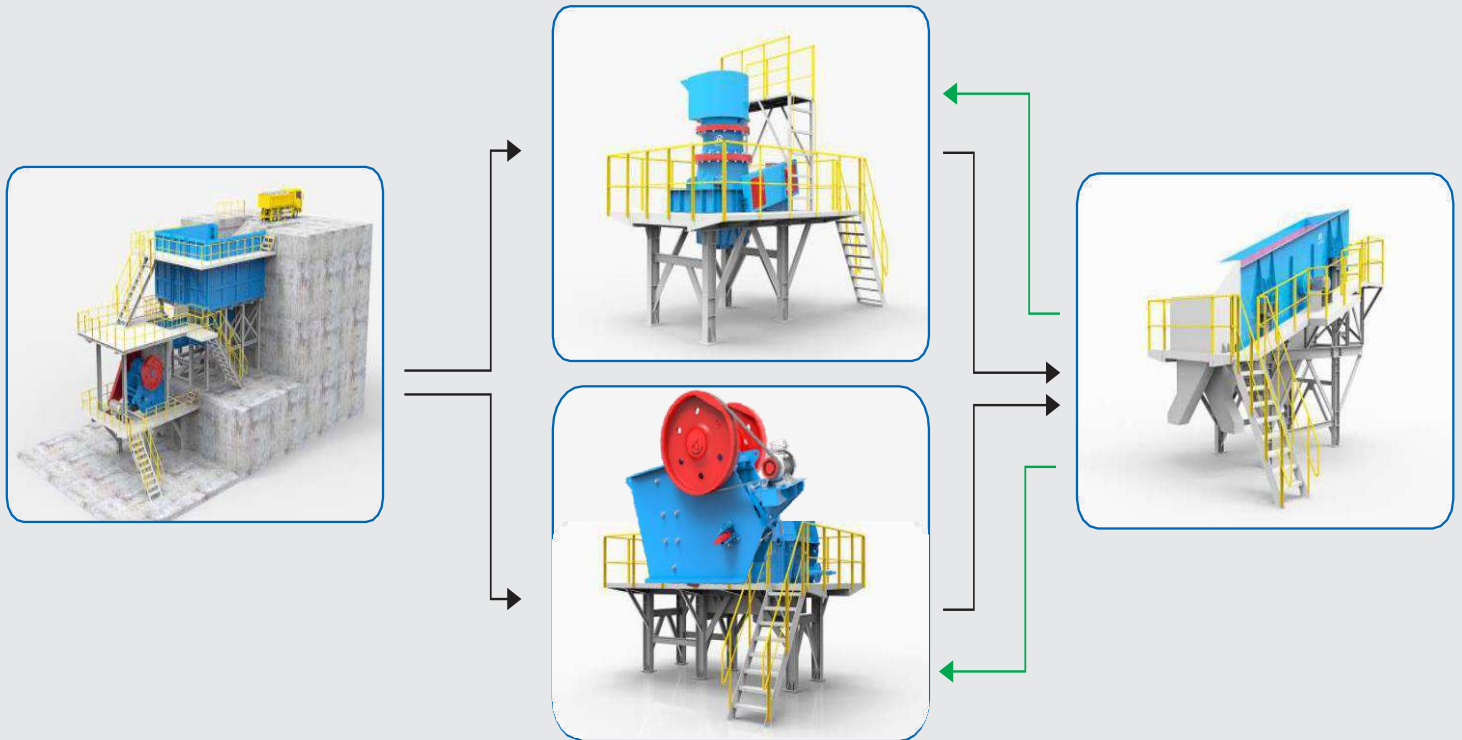
TECHNICAL DATA FOR VIBRATING SCREEN

Model	Decks	Area	Max Feed Size (mm)	Capacity TPH	Power (kW)
PEW 2D -1224	II	2.88	100	40-90	3.70
PEW 3D-1224	III	2.88	100	40-90	5.50
PEW 2D-1230	II	3.66	120	50-110	5.50
PEW 3D-1230	III	3.66	120	50-110	7.50
PEW 2D-1536	II	5.30	120	60-120	7.50
PEW 3D-1536	III	5.30	120	60-120	11.10
PEW 2D-1548	II	6.90	120	70-150	11.10
PEW 3D-1548	III	6.90	120	70-150	15.00
PEW 2D-1854	II	9.15	120	90-225	15.00
PEW 3D-1854	III	9.15	120	90-225	18.75
PEW 2D-1860	II	10.25	120	125-300	18.75
PEW 3D-1860	III	10.25	120	125-300	22.50
PEW 2D-2167	II	13.45	120	150-350	30.00
PEW 3D-2167	III	13.45	120	150-350	37.00

Note : Capacity show are in Tons Per Hour having Bulk Density 1.6t/cum.



PROCESS FLOW CHART OF COMPLETE STONE CRUSHING AND SCREENING PLANT



GENERAL ARRANGEMENT OF COMPLETE STONE CRUSHING AND SCREENING PLANT

Jaw Crusher - Vibrating Screen





DESCRIPTION

PEW introduce the Grizzly feeders consists of a very large vibrating body made of thick plate with inside lining of anti-abrasive plate. The Grizzly vibro feeders are driven by two or four vibrating motors. The vibro feeders (which may either be placed on a steel or concrete base) rests on spring.



FEATURES

- ↓ There is big drop between grizzly bars which make quick discharging and adjusting for gap of grizzly bars, improves good pre-screening efficiency.
- ↓ The feeding for the primary crushing can be controlled by adjusting variable frequency motor.
- ↓ It is optional to change whole plate and steel plate with drilled holes instead of grizzly bars in the pre-screening part, so it can be used in different working conditions .
- ↓ It is optional to add screening part under the feeder and add the extra high overflow for side plate and extra liner, so it get the first grade for the materials after screening.

TECHNICAL DATA FOR VIBRATING GRIZZLY FEEDER

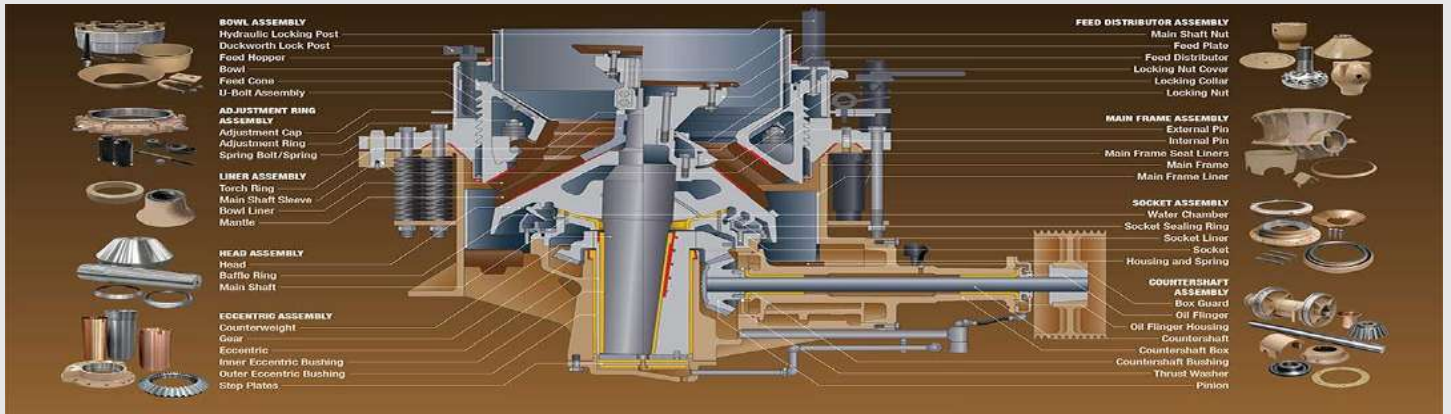
Model	Working Area	Max. Feed Size (mm)	Capacity TPH	Capacity TPH
PEW VGF-1020	1000x2000	300 mm	50-100	20 HP
PEW VGF-1030	1000x3000	500 mm	75-150	25 HP
PEW VGF-1243	1200x4300	750 mm	100-300	30 HP
PEW VGF-1550	1500x5000	900 mm	150-500	40 HP
PEW VGF-1560	1500x6000	100 mm	200-600	50 HP

Note : Capacity show are in Tons Per Hour having Bulk Density 1.6t/cum.

Remarks : The throughput capacity listed in the table are for reference only. All the throughput capacity will be decided by the Inclined angle of feeder, gap between grizzly bars, vibrating frequency, material and the conditions of work site.



CONE CRUSHER TERMINOLOGY



DESCRIPTION

PEW Series Single Cylinder Hydraulic Cone Crusher is one of advanced cone crusher in India, which is developed and manufactured by our company. The machine is one kind of high-class product combined with mechanical technology, electrical technology, hydraulic technology and advanced crushing technology. The machine adopts high strength casting-steel frame, alloy forging main shaft and high precision arc-shaped spiral gear driving structure, combined with multi-chambers selection and automation control system, which fulfills the performance and advantages. It can be widely used in secondary and fine crushing work for all kinds of hard materials and rocks to meet customers' various needs for crushing.

FEATURES

↓ HIGH PRODUCTIVITY

Combined with optimal crushing chamber, reasonable eccentricity, optimal swing frequency and laminating crushing principle, the machine has a large throughput capacity, high productivity, good products shape and low energy consumption.

↓ AUTOMATION

Automation control system can achieve the overloading protection, iron-passing protection, and function of constant chamber without effect of liner-wearing, can also constantly monitor these conditions such as oil temperature, oil flow, oil pressure motor load and discharge opening size, etc., which ensure the machine work stably.

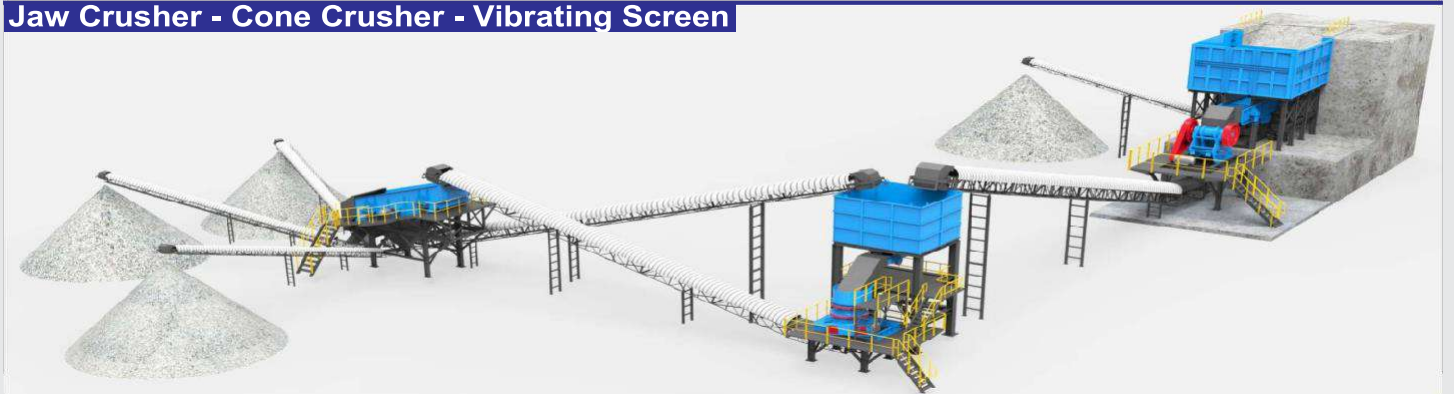
↓ HIGH LOADING CAPACITY

Optimization design of strong frame construction, two-ends structure (simple support beam) main shaft, unique hydrodynamic lubrication design of copper bush, smart and reliable overload protection system, which ensure the machine have long-term and stable working under extremely bad conditions such as hard rock crushing.

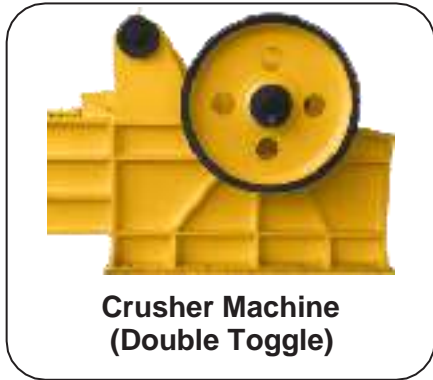
↓ Low Running Noise and Low Vibration

The driving structure of high precision arc-shape spiral gear has advantages of low running noise, high driving ratio and long durability. Low vibration itself and flexibility supporting of the steel structure ensure minimum vibration (which is caused by transmission from machine to foundation) and low foundation cost.

Jaw Crusher - Cone Crusher - Vibrating Screen



Jaw Crusher - Cone Crusher - Vibrating Screen



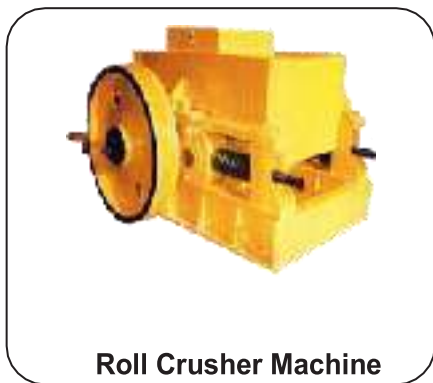
**Crusher Machine
(Double Toggle)**



**Mini Mobile
Crusher Machine**



Belt Conveyor



Roll Crusher Machine



Rotopactor Machine



Carrying Roller

A S ENGINEERS

DEALER OF STONE CRUSHING PLANT AND SPARES

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