



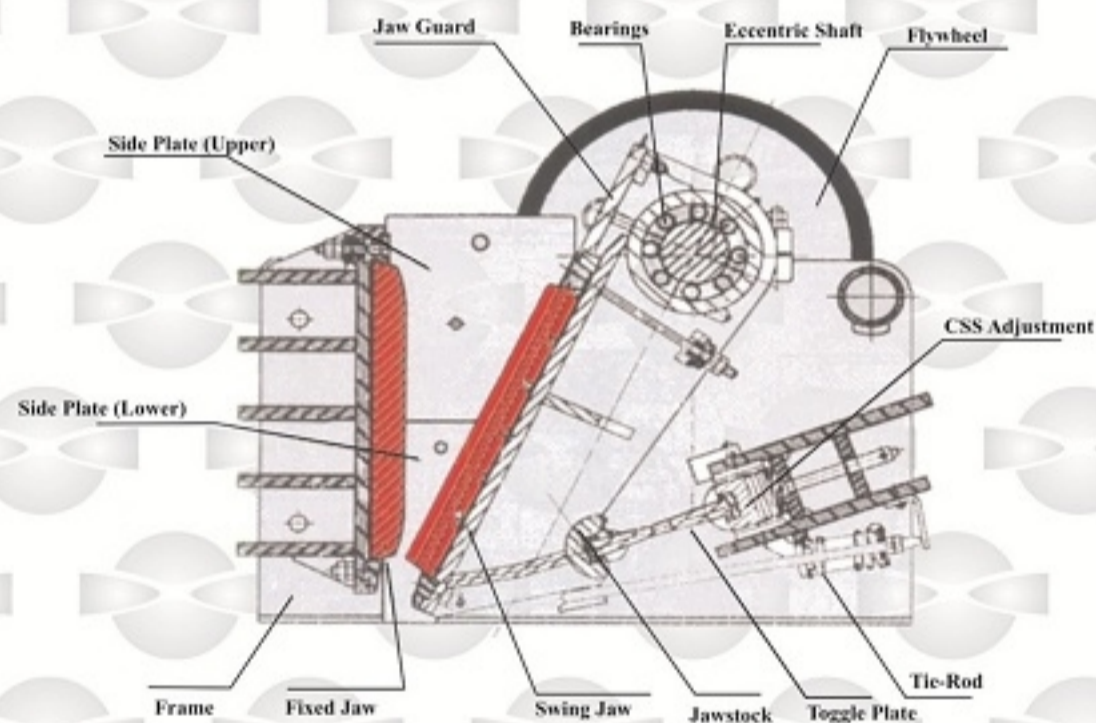
CHM Projects & Engg. Pvt. Ltd.

CHM design and manufacture Jaw Crushers for various applications for crushing of Stone, Iron Ore, Lime Stone, Dolomite and other metals, both Single Toggle and Double Toggle. We assure good quality, reliability and higher production. The maximum compressive strength 300Mpa of feed material having feed range from 150mm to 1200mm. Jaw Crushers are designed for both primary and secondary crushing application. The jaw crushers are heavy duty having side plates fixed to the main plates with larger dia. bolts. Four oversized spherical roller bearings are used in the crushers for longer life.

Single Toggle Jaw Crusher



Double Toggle Jaw Crusher



Technical Data for Single Toggle Jaw Crusher :-

Model	Feed Opening-MM		Close Size Setting-MM	Capacity-TPH	Required Power-HP	Approx. Weight Kgs.
	Min.	Max.				
CHM-300x500	300	500	40-100	20-60	30	5500
CHM-375x750	375	750	50-125	40-110	50	10000
CHM-500x750	500	750	65-150	50-125	60	11200
CHM-600x900	600	900	75-175	60-180	100	18000
CHM-750x1050	750	1050	100-220	125-250	175	28000
CHM-900x1200	900	1200	100-240	150-360	215	44000
CHM-1000x1200	1000	1200	120-260	170-400	250	45500
CHM-1200x1500	1200	1500	150-300	410-850	350	78000

High Performance Cone Crusher



The High Performance Series Cone Crushers are more compact, portable and economical to operate than any other existing Cone Crusher. This Series Cone Crusher produce more finished products than any other cone of similar size.

- Stationary main shaft
- Unique interparticle crushing action
- Higher speed and throw
- Non-contacting seals
- Bronze bushings
- Hydraulic adjustment (Automatic)
- Hydraulic tramp iron release
- Hydraulic clearing



Product Features

High Performance Cone Crusher have steel fabricated frames. The frame is stress relieved after welding. Heavy-duty reinforcements are universally implemented at high-stress points. All main assemblies are serviceable from the top or side of the crusher. Available in numerous cavities to suit any crushing requirement. **The High Performance Cone Crushers** can be transformed from coarse crushing to fine crushing with a simple change in liner and adaptor ring. Hydraulic motor and gear/pinion rotate the bowl. This permits push button setting change and easy bowl removal. Rotating bowl allows for uniform liner wear. The unique interparticle crushing action of **High Performance Series Cone Crushers** creates a higher value for your product by providing a more consistent gradation and a superior product shape (cubicity)

Thanks to the combination of higher speed and throw, which increases the machine's power rating and throughput capability, **High Performance Series Cone Crushers** have the highest capacities for their size in the industry.

Crusher Models and Capacities (TPH) at CSS

Model	Close Size Settings (mm)											
	6	8	10	13	16	19	22	25	32	38	45	51
PYH-2	55-75	60-90	80-115	110-145	130-170	140-180	150-190	160-210	180-230	200-245		
PYH-3	80-95	100-130	110-140	145-185	175-220	190-240	200-260	220-280	240-320	290-380	340-440	
PYH-4		115-150	130-175	180-230	220-280	240-320	260-340	280-370	310-430	350-490	400-550	450-620
PYH-5		140-170	170-220	225-290	270-350	310-400	335-430	355-450	395-530	435-600	500-680	560-760
PYH-8			235-330	300-420	370-500	420-540	450-590	480-710	530-780	580-920	560-1000	750-1150

Capacities shown are in Tons Per Hour having Bulk Density 1.6t/cum.

Plate Perforation



Wire Mesh Type



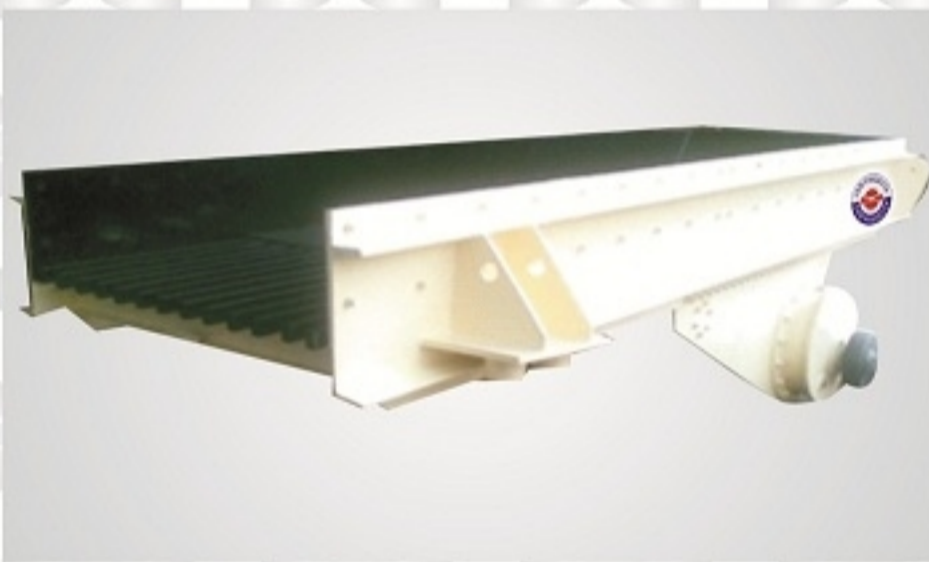
The basic purpose of the vibrating screens are segregation of different product sizes to suit the particular requirement. This equipment is most preferred due to its ease of operation and low maintenance cost. The main screen basket of the screen is rectangular in shape. The dimensions of the screen depends upon the required capacity, lump size with its percentages are the main deciding factors. These screens can either be with a single eccentric shaft on the ends of which two equal unbalanced weights are mounted or is provided with two unbalanced motors. The screen decks are either of Perforated Steel Plates with round or square holes or of Spring Steel Wire Mesh system having bolt tightening arrangement on the main plate of the basket. The basket is normally positioned on 8 or 12 Nos. of heavy duty springs depending on the size of the screen. These springs are mounted on a steel frame, which is designed to give an inclination of about 15-18 Degree to the basket.

The material fed on the top deck begins to roll down and particles smaller than the perforation pass below while the bigger ones are retained on the deck and roll down in the chute provided at the end. When the screen is of multiple decks, the particles segregated from the deck above fall on the lower decks and the process of segregation is repeated. Since the lower decks will have smaller perforation as compared to the deck above, the material finally gets segregated into various sizes.

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



Vibrating Grizzly Feeders



The vibrating grizzly feeders are used for evenly feeding run-of-quarry rock prior to a primary crusher. In general, hopper is set above the feeder for storing materials and distributor is set under it to receive undersize from grizzly and change discharge passage.

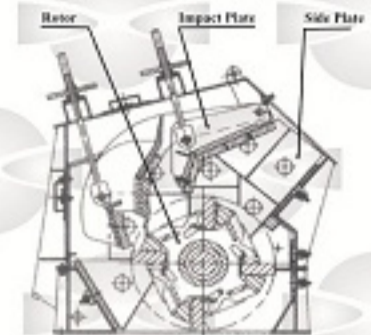
The grizzly rack of the feeder is robust and can take impact of loading shocks. The spacing/grizzly size can be changed for specific requirement. Narrow spacing is used for lot of clay contained in the material. However, it should not have more of moisture content. When some clay and some mud is in feed material, broader spacing can be made so that the undersize can pass through distributor and by-passing primary crusher can enter directly to the main conveyor underneath to raise the capacity of primary crushing unit.

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

Vertical Shaft Impactor



Horizontal Shaft Impactor



Impact Crusher

(For Coal & Other Soft Material)



Rotopactor Machine



Belt Conveyors



Feed Hopper



Electrical Control Panel



Thermoplastic Paint Road Marking Machine



Asphalt Plant (Drum Mix)



Sand Classifier



Projects on Turn-Key basis :-

- Stone/Iron Ore/Limestone or any other natural material Crushing & Screening Plants upto 1150 Tons Per Hour capacity.
- Screening Plants of all capacities.
- Asphalt Plants.

Machinery/Equipment :-

- Roller Crushers. • Horizontal Shaft Impactors. • Belt Conveyors. • Bucket Elevators. • Apron Conveyors • Vibro Feeders and Electro Magnetic Feeders. • Aggregate Spreaders Both Screed and Truck Mounted type. • Bitumen Distributor. • MS Hoppers and Surge Bins.

And many more products for various industries and custom made machinery for various industries .

Founder's Vision

May God let us succeed in our sincere & honest efforts to attain the superior goals set by us, taking the technical and professional level of our organization to the higher peaks, strengthening the existing activities of the organization and expanding the vision to related and complementary disciplines, thus making us capable to conquer new challenges, fulfilling our quota of responsibility, as professionals and as citizens of the world.



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