



STONE CRUSHER

M SAND CRUSHER



Varshini company is located in 13/1c Eachanari to Madukkarai Road, Madukkarai, Coimbatore holds an undeniable place among the leading companies that produce machines used for making stone crusher, sand crusher, sand washing, vibrating screen, vibrating feeder, belt conveyor, spares and service. It was started under the leadership of MR. V. Ganeshkumar.

The company has never failed to meet the expectation of customers. The Infrastructure of the Company is quite a self-sufficient one to the total work force seldom misses the focus on perfection. The company's expertise in manufacturing machine for making crusher equipment, has brought great popularity across the length and breadth.

STONE CRUSHER



Double Toggle Jaw Crusher



Single Toggle Jaw Crusher



Double Wheel Stone Crusher



Single Wheel Stone Crusher

Benefits of Varshini Crusher

1. Good output of 3/4" and less of 12mm, chips.
2. Machine is suitable for all type of stone (Hard & Soft).
3. Dynamically balanced cast iron wheel for continuous load.
4. Over load release mechanism is provided to prevent damage of the shaft and bearing.

Main Body

Fully fabricated from graded steel plates by IBR qualified welders and STRESS relieved by well modernized electric heat treatments, to ensure longer body life and minimum fatigue.

Jaw Stock and Hinge Pin

Our jaw stock is fabricated with quality graded steel plates to give good strength and life to machine. The hinge pin and bearing housing are machined in CNC machine for consistence accuracy.

STONE CRUSHER

Jaw Plates

Our jaw plates are made from an ISO 9000 certified foundry with our own special materials (high hot chrome manganese steel to give longer life and output) Toggle and American standard ASTM A 216. Web grade steel casting and phosphor bronze Toggle pin and precision machined. The Toggles are seats and toggle pin are in oil both ensuring full lubrication.

Excentric Shaft

It is made from alloy steel grade, accurately machined, hardened and tested ultrasonically and fitted with quality self aligning roller bearings.

Fly Wheel

Dynamically balanced cast iron wheel for constant continuous load, with necessary drive with the Eccentric shaft. Since it is an oil type crusher a separate oil tonic has been provided to lubrication the bearings, shaft and pitman assembly etc.

M - SAND CRUSHER

VSI M - Sand Crusher



VSI



VSI & HSI (60 TPH - 200 TPH)



Vertical Shaft Impactor

HSI M - Sand Crusher



25 TPH HSI



40 TPH HSI



80 TPH HSI



100 TPH HSI

Sand making machinery the leading level of gravel efficient equipment. It is widely applicable to different types of rock, abrasives, refractoriness, cement clinker, quartz stone, aggregate concrete, and other hard, brittle materials in the debris, a chronology (of sand). construction sand, gravel roads is particularly suitable for use.

Sand Crusher Working

Materials from entering into the crusher hopper, feeder by the materials will be divided into two parts, part of the feeder from the middle to high-rotating impeller, the impeller being rapidly accelerated its acceleration up to several hundred times the acceleration due to gravity. The materials formed by the continuous material screen. Such a material whirl broken twice by the cavity and repeatedly hit probability, friction and grinding fragmentation. Be broken by the lower nesting materials from the mouth.

M - SAND CRUSHER

Features

1. Simple structure and low cost.
2. Efficiency, broken high efficiency.
3. Affect small water materials moisture may reach 8 percent.
4. Can be broken in the hardware, special hardware materials.
5. A cube products, iron contamination small.
6. Impeller and whirl since broken cavity lining materials significantly reduce maintenance.
7. Costs and wear and tear of the workload.
8. Operation and maintenance, and ease of installation.

M - SAND PLANT



60 TPH Plant



Pro Wash Plant



VSI Plant



HSI Plant

WASHING SYSTEM



Pro Wash (With de Watering Screen)



Bucket Wash (With de Watering Screen)



Screw Wash

VIBRATOR SCREENS



A vibrating screen low noise, high efficiency and fast network required for 3 - 5 minutes, the whole structure of the closure applies the materials screening filter. Rotary screen is vertical vibration motors for the excitation source, the electrical, are installed at both ends of the eccentric weights, electrical rotary motion into horizontal, vertical, the tilt of the three yuan movement, and then transmitted to the screen surface movement. Adjust the upper and lower ends of the phase angle, the screen can change the surface of materials trajectory.

Use and Maintenance

1. The machines should be installed in electrical protective equipment.
2. The machine running early Anchor Bolt inspection at least once a day to prevent loosening.
3. When the motor rotation dorection does not meet the requirements, can adjust power phase sequence.
4. Motor lubrication should ensure that good, each running about two weeks supplementary lithium-based grease (ZL-3) once during refueling, by adding suitable oil Cup Lithium Grease. When using sealed bearings, motor oil cup had not been installed.
5. A total of 1,500 hours after the operation, should check the bearings, if serious injury to be replaced immediately.

FEEDER



Vibrating feeder is designed for crushing and screening of the coarse crusher before conveying bulk materials. The production process can be massive, granular materials from the storage silos in uniform, regular, continuous and subject to the device, so as to prevent the device for feeding inequality extended equipment life. Feeder can be divided into steel grate structure and the structure, the structure of steel plate used for feeder aggregate production lines, materials will be sent to all evenly the system is in the preparation of a more economically rational, has been crushing and screening. Thus widely used in metallurgy, coal, mineral processing. The series vibrating feeder vibration stable, reliable, low-noise, energy-consuming small, long service life, easy maintenance, ease of installation conditioning equipment, integrated performance. And when closed to prevent dust pollution in the fuselage structure.

Grizzly Feeder Working Principle

The discharging of, exciter, spring bearings, drives and other components. Feeding through of vibration source of the vibration, vibration by two eccentric axis and the composition of gear from the motor through the V-belt drive axle, and then from the initiative axis Gear passive axis rotation, and passive reverse rotation axis at the same time, the through of vibration, continuous flow of materials, transportation of materials to achieve the objective.

CONVEYOR SYSTEM



Belt conveyor is a kind of machine that to transfer the material continuously. The belt works under the effect of frictional force. It is not only the components to transfer the force.

The belt conveyor is advanced and simple in structure, easy to maintain. Its transfer capacity is high, transfer distance is long. They are widely used in mining, metallurgical and coal industry to transfer sandy or lump material, or packaged material. According to different transferring equipment, the transfer system can be one independently or multi-conveyors or combined with other transfer equipments. The belt conveyor can be installed horizontally or a slope to meet the needs of different transfer lines.

The belt conveyers produced by our company can be operated in the circumstance temperature range from -20oC to +40oC. The temperature of transferred material by this belt conveyor should be lower than 50oC.

SPARES



Side Plate



Spring



Diaphragm



Jaw Plate



ROTTER



CONE



TIP HOLDER



BLOW BAR

ADDRESS

**No.13/1C, Echanari To Madukarai Road,
Madukkarai Po, Coimbatore - 641105.
Tamilnadu, India.**

Phone

+91 98652 92228, 98652 43444

Email

varshini.equipments@gmail.com