

Jaw Crushers

Jaw Crushers®, Jaw Crusher Plant, Jaw Crusher Machines, Jaw Crusher India are designed to exceed the primary needs of customers in the mining, aggregates, concrete construction, crushing and screening and recycling industries. And it is also providing India's best and highest selling wide range of Single Toggle Jaw Crusher, Primary Jaw Crusher with special high-quality cast steel components and durable wear parts, means exceptionally high crusher availability, cost-efficient crushing and low cost per ton which is manufacturing, exporting and supplying by Shree Conmix Engineers Pvt. Ltd.® in Ahmedabad, India.



Shree Conmix Engineers Pvt. Ltd.® is a famous for Jaw Crusher, Cone Crusher, Vsi Crusher, Micro Cone Crusher Plant, Track Mounted Crushing and Screening Plant, Semi Mobile Crushing and Screening Plant, Stationary Crushing and Screening Plant, Vibrating Screens and Feeders, Concrete Batching and Mixing Plant, And Transit Mixer in Ahmedabad, India. Which was established in 1990. Our All Type of Crushing & Screening and Batching & Mixing Products have been sold overseas with its high quality and effectiveness.

Jaw Crushers are designed to exceed the primary needs of customers in the mining, aggregates and recycling industries by Shree Conmix Engineers Pvt. Ltd. And it is also providing India's best and highest selling wide range of Single Toggle Jaw Crushers, Jaw Coal Jaw Crushers, Primary Jaw Crushers with special high-quality cast steel components and durable wear parts, means exceptionally high crusher availability, cost-efficient crushing and low cost per ton in Ahmedabad, India.

Jaw Crusher is consists of many parts, like eccentric draft, frame, large belt wheel mobile jaw crusher, flying wheel, toggle jaw plates, gap adjustment screw and so on. The main function of Jaw Crusher is to crush large rocks into smaller rocks, gravel, rock dust and gravel to satisfy different requirement for the products. Conmix Jaw Crusher® is engineered for the toughest best feed materials.

Structure of Conmix Jaw Crusher® is mainly include frame, eccentric shaft, big pulley, flywheel, moving jaw, side guard plate, toggle plate, toggle plate back seat, adjusting screw gap, the reset spring, fixed jaw plate and movable jaw etc. The Toggle Jaw Plate is also play a role as insurance bracket. Working part of jaw crusher is two pieces of jaw plate, one is fixed jaw plate (fixed jaw), vertical (or slightly upper chamber) fixed in the front wall of the body, and the other is movable jaw plate (moving jaw), location inclined to form the next big small crushing chamber (working chamber) and the fixed jaw.

Jaw Crusher is based on a revolutionary modular, non-welded frame construction, offering owners the highest possible fatigue strength, excellent reliability and numerous mounting possibilities.

Jaw Crusher Working Principle

Jaw Crusher is widely used in industrial and mining enterprises , this is because the aircraft structure is relatively simple , and has a large range of models. Jaw Crusher is mainly used as the primary crusher. It can be used with mineral processing equipment, gravel ancillary equipment, it also can be used alone.

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Jaw Crusher for crushing materials work, is the material between the two pieces of jaw plate crushing. Motor drive transmission mechanism driven jaw plate hanging around the shaft relative to the fixed jaw do periodic reciprocating motion, sometimes close, sometimes leaving in the process of moving jaw plate close to the fixed jaw plate, is the material between the two jaw plates pressed on the subject broken, bent and broken fracturing, the process was moving away from the fixed jaw plate, the material has been crushed under the action of gravity, through the discharge port of discharge.

Single Toggle Jaw Crusher

Single Toggle Jaw Crushers® are uses only one toggle plate in its mechanism. Two bearings are fit in the swing jaw of this Crusher and the other two bearings support the eccentric shaft, which is driven by the drive flywheel. An extra (non-drive) flywheel is provided to lessen the power requirement of the prime mover (motor or engine).

Being light in size and relatively easy to operate and maintain, the Conmix Crushers are a popular machine for use in hilly terrain and for mobile crushing plants.

Single Toggle Jaw Crusher® is generally used where size distribution is not of paramount importance but productivity is to be maximized with lower power consumption. These do not require high operating skill and gap setting is simpler. Also, the maintenance requirement is much lower.

Single Toggle Jaw Crushers® feature are large gape feed openings, high production and low operating costs. These rugged machines are manufactured with heavy duty parts for constant operation and long life. Typical applications for our single-toggle jaw crushers are in mining, quarrying and recycling. The Jaw Crushers handle ores, rock, gravel and recycled concrete.

Why Choose Our Jaw Crusher

Conmix Jaw Crusher® is crushed under high pressure between one fixed and one movable crushing jaw. The grinding parts are available in various steel types, hard metal tungsten carbide and zirconium oxide to prevent undesired abrasion. And the motor inside the jaw crusher will drive the belt and belt pulley, forces the mobile jaw to move up and down through eccentric shaft. While the mobile jaw is lifting, the angle between lining plate and moving jaw becomes large, and this will push moving jaw plate close to the fixed jaw plate.

During the process of operation, the material is crushed and ground and the crushing will be done. While when the jaw is going down, the angle will certainly become smaller, the moving jaw plate will leave the fixed jaw plate on account of the effect of pulling bar and spring, and then the crushed material will be discharged from the lower opening of the crushing room.

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For primary crushing of medium-hard to very hard material Conmixcrusher is offering a wide range of efficient and proven Single Toggle Jaw Crusher®, Primary Jaw Crusher®, Portable Jaw Crusher®, Track Mounted Jaw Crusher®.

Application

- Mining
- Aggregate
- Demolition
- Construction
- Environmental
- Granite, River gravel

- Lime Stone, Coal

Advantages

- Modular Design increasing fatigue strength.
- Single toggle Grease lubricated Crusher
- Remarkable reduction ratio
- Fly wheel design that delivers perfect inertia and least vibration.
- Interchangeable and reversible jaw plates.
- Sprinkler System (Optional) & Grease Pump (Optional)
- The bearing parts labyrinth sealing process using multi-layer, extending bearing life.
- High throughput, high degree of size reduction
- Easy-to-clean crushing chamber
- Low operating cost.
- Hydraulic CSS adjustment.
- Energy-saving equipment: stand-alone energy-saving 15% to 30%, saving more than double.
- Stable and reliable, with overload protection device.
- Absence of stress inducers such as weld seams assures excellent durability against shock loads.