



A professional manufacturing company specializing in equipment and machinery lines for crushing, screening, and feeding, as well as conveyor systems.
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Jaw Crusher

Series C



Jiangsu Zhengjiang Machinery Technology Co., Ltd.,



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Company profile

Jiangsu Zhengjiang Machinery Technology Co., Ltd.,(ZME) traces its origins to the Hai'an Vibrating Machinery Factory—a manufacturer of mining equipment approved by China's Ministry of Machinery in the East China region—which was established in 1968. The company was among the first in China to engage in the design and development of vibrating machinery.

Founded by the original team from the Hai'an Vibrating Machinery Factory, ZME specializes in the design and manufacture of crushing, screening, and conveying machinery for aggregate production, as well as equipment for the mining and building materials industries. The company is capable of providing complete aggregate production line solutions for the quarrying, mining, cement, and construction sectors.

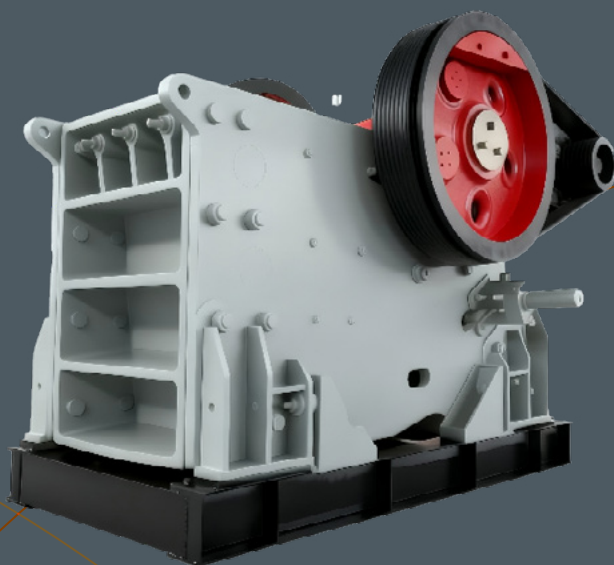
Our core product range includes: bar feeders, hydraulic cone crushers, sand washing machines, cone crushers, spring cone crushers, jaw crushers, fine jaw crushers, hammer crushers, impact crushers, vibrating screens (linear and circular), feeders, belt conveyors, and complete aggregate production lines. These products are widely utilized in mines, quarries, and building material production facilities.

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Jiangsu Zhengiang Machinery Technology Co., Ltd.,

C Series Jaw Crushing Machine



Product Introduction

The European-style C-Series Jaw Crusher is one of the most sought-after jaw crushers globally. This machine incorporates advanced international crushing technologies and manufacturing processes, making it the premier choice for the high-efficiency crushing of hard and highly abrasive materials.

This product features an innovative, weld-free modular frame design, which delivers maximum fatigue resistance, optimal reliability, and versatile installation options. Combined with high-quality cast steel components and first-class spherical roller bearings, the machine comprehensively ensures high production capacity, superior efficiency, and low operating costs throughout the crushing process.

Technical Characteristics

- Features a more advanced moving jaw assembly, resulting in greater durability and an extended service life.
- The bearing housing utilizes an integral cast steel structure, ensuring a perfect fit with the crusher frame and significantly enhancing the radial strength of the bearing housing.
- The crushing chamber employs a symmetrical "V"-shaped design, which boosts production capacity by up to 1.3 times.
- Equipped with a discharge opening adjustment system that is safe, rapid, and easy to operate.

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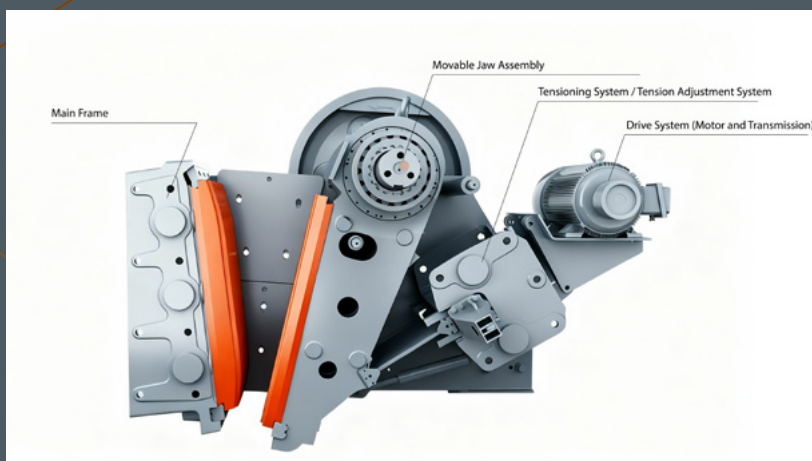


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- Utilizes toothed guard plates, which increase the effective length of the jaw plates, thereby yielding higher throughput capacity.
- The motor is mounted directly onto the machine body, effectively minimizing space requirements while simplifying operation and maintenance.
- Demonstrates exceptional stability, requiring minimal foundation support.

Working Principle

The working principle of the jaw crusher is as follows: an electric motor drives the belt and pulley, which, via an eccentric shaft, actuates the moving jaw to move in an upward and downward motion. As the moving jaw ascends, the angle between the toggle plate and the moving jaw increases, thereby pushing the moving jaw plate closer toward the fixed jaw plate. Simultaneously, the material is compressed or split until it fractures, thereby achieving the objective of crushing.



As the moving jaw descends, the angle between the toggle plate and the moving jaw decreases. Under the force of the tie rod and spring, the movable jaw plate retracts away from the fixed jaw plate. At this stage, the crushed material is discharged through the bottom of the crushing chamber.

Driven by the continuous rotation of the electric motor, the movable jaw executes a periodic motion to crush and discharge material, thereby enabling continuous, mass production.

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Technical Specifications

Model		C80	C100	C110	C125	C140	C1160	C200
Input Opening Width (mm)		800	1000	1100	1250	1400	1600	2000
Input Opening Depth (mm)		510	760	850	950	1070	1200	1500
Motor Power (kW)		75	110	160	160	200	250	400
Speed (rpm)		350	260	230	220	220	220	200
Product Dimensions (mm)	Closed-Side Settings (mm)	t/h	t/h	t/h	t/h	t/h	t/h	t/h
0-60	40	65-85						
0-75	50	80-95						
0-90	60	95-125						
0-105	70	115-150	160-210	190-250				
0-120	80	130-170	170-225	210-275				
0-135	90	150-195	190-245	235-305				
0-150	100	165-215	215-280	255-330	290-380			
0-185	125	210-275	265-345	310-405	350-450	380-500		
0-225	150	250-325	315-410	370-480	410-535	455-590	520-670	
0-260	175	290-380	370-470	425-550	470-600	520-675	595-770	760-990
0-300	200		420-540	480-625	530-680	590-765	675-880	855-1110
0-340	225				580-760	655-850	750-975	945-1230
0-375	250				650-840	730-950	825-1070	1040-1350
0-410	275						900-1175	1130-1470
0-450	300						980-1270	1225-1590