

## **jaw crusher capable of smooth operation and low noise level**

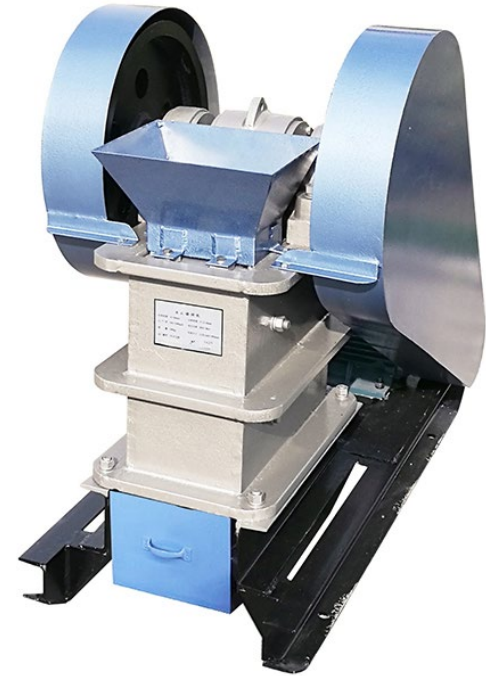
Jaw crusher is a common crushing equipment, which is widely used in primary crushing of hard materials such as ore, coal, stone and so on. Its main features are high crushing ratio, small discharge size range, and simple structure and convenient operation.

### **Pendulum Jaw Crusher**

Pendulum Jaw Crusher crushes the material through the clamping action between the up and down swinging movable jaw and the fixed jaw, which is a common sample preparation and ore crushing equipment in coal, electric power, steel, metallurgy and other industries.

### **Features**

1. Compact structure: the body is composed of sturdy steel structure, the overall design is compact, easy to transport and install.
2. Adjustable discharge opening: the width of the discharge opening is controlled through the adjusting device to ensure the demand of products with different particle sizes and meet different process requirements.
3. Good sealing: through the reasonable sealing design, effectively reduce the leakage of dust in the crushing process, to ensure a clean operating environment.



4. Easy to maintain: the structure of the equipment is designed to facilitate routine maintenance and overhaul, easy replacement of parts, reducing downtime.
5. Strong durability: the use of wear-resistant materials manufactured by the crushing chamber, extend the service life of the equipment, adapt to the high load and long time working environment.

### **Advantages**

1. High crushing ratio: through the reasonable angle design of jaw plate, it can realize high efficient crushing of materials with even particle size, which can meet the needs of all kinds of production lines.
2. Easy to operate: the equipment runs stably, the operation process is simple and convenient, and there is a perfect automation control system, which can easily realize remote monitoring and automated operation.
3. Low energy consumption and high efficiency: the optimized design of movable jaw and advanced transmission method reduces energy consumption and improves crushing efficiency.
4. Low noise and low vibration: the equipment operates with low noise and low vibration, suitable for demanding working environment.
5. Wide adaptability: suitable for a variety of materials crushing, such as coal, ore, stone, etc., different hardness of materials can be effectively crushed.

## Working Principle

1. Feeding stage: the material to be crushed enters the crushing chamber through the feeding opening.
2. Crushing stage: the electric motor drives the movable jaw through the belt and pulley to make periodic reciprocating motion, and the distance between the movable jaw and the fixed jaw changes constantly. The material is squeezed and sheared between them, and is crushed gradually.
3. Discharge Stage: The crushed material is discharged from the discharge opening, and the size is controlled according to the gap adjusted by the adjusting device to obtain the required particle size.

Since the movable jaw is designed to swing, this makes the jaw crusher not only suitable for crushing large materials, but also meets the needs of finer materials processing, with a larger scope of application.

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<b>Model</b>	<b>TA150</b>	<b>TA151</b>	<b>TA200</b>	<b>TA250</b>
Feed opening size	150x125mm	150x250mm	200x300mm	250x400mm
Feed size	≤100mm	≤125mm	≤180mm	≤210mm
Output size	less than 10 to 40mm(adjustable)	less than 20 to 40mm(adjustable)	less than 20 to 50mm(adjustable)	less than 20 to 60mm(adjustable)
Production rate	0.5 to 2ton per hour	1 to 3ton per hour	2 to 6ton per hour	5 to 20ton per hour
Motor power	4kw	5.5kw	7.5kw	15kw
Power supply	three phase 380Vac			
Weight	380kg	500kg	550kg	3000kg
Dimensions	1160x580x990mm	1480x730x1160mm	1900x870x1230mm	2000x1150x1570mm