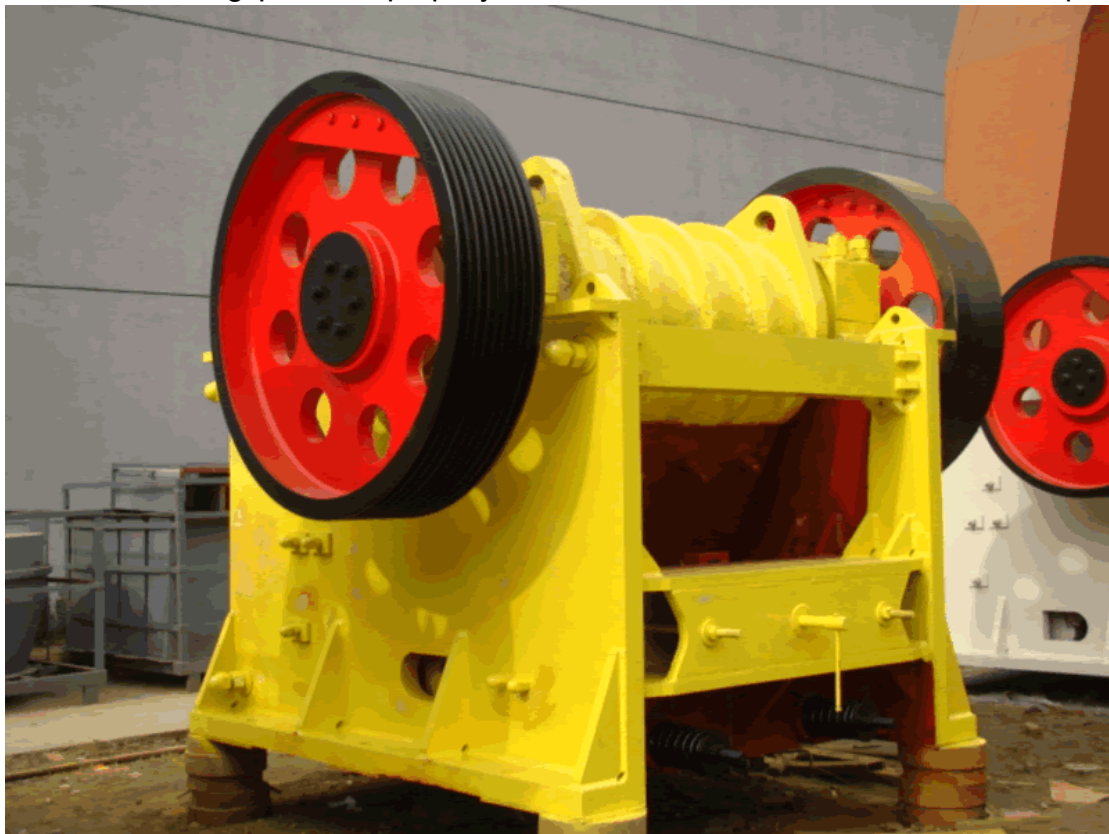




Capital-Saving Jaw Crusher

This type of Capital-Saving [Jaw Crusher](#) as the newest generation ,adopting the advanced technology by optimizing the mechanical performance and working principal, has been highly approved for jaw crusher's lower power consumption, high crushing ratio and remarkable convenience in maintains during thousand times of testing running experimentations, which brings greater economical advantage for the user in consideration of low capital cost solution, optimum performance, while ensuring the lowest operation cost for per ton for a wide range of material and application. This jaw crusher is widely used in crushing plant as preary crusher for material of hardness 400Mpa.



How CS Jaw Crushers works?

Jaw Crusher is ideally suitable for primary and secondary crushing. It is carefully designed to provide superior quality and performance with low power consumption and easy maintenance.



Illustration of How CS Jaw Crushers Crushes?

Jaw crusher reduces large size rocks or ore by compressing, a fixed jaw, mounted in a “V” alignment is the stationary breaking surface, while the moveable jaw plate exerts force on the rock by compressing it against the fixed jaw plate. The space at bottom of the “V”, aligned jaw plate, is the output size gap, or the maximum size of the crushed product.

Due to the features of simple structure, reliable performance, convenient maintenance and safe use, our [jaw crusher](#) of various models are widely used in the crushing operation in metallurgy, mining, building materials, chemical industries and cement enterprises.

Purpose of the CS Jaw Crushers

This [jaw crusher](#) is characterized with its simple structure and reliable work and convenient maintenance, used to crush primarily and intermediately all ores or rocks with a compressive strength under 250Mpa in large, medium-size mine, stone quarry and building material department.

Operating principle and structural features Of CS Jaw Crushers

The crusher mainly consists of:

- 1) Frame
- 2) fixed jaw plate
- 3) left and right protecting boards
- 4) movable jaw plate
- 5) movable jaw
- 6) eccentric shaft
- 7) toggle plate
- 8) toggle seat
- 9) components and parts such as oil pressure lifter (figure one)



The motor drives eccentric shaft via a delta belt fixed in a grooved pulley, which can make movable jaw move repeatedly so as to crush materials in crushing cavity.

Fixed jaw plate of frame front wall is fastened depending on left and right protecting boards and holding down bolts, while movable jaw plate is pressed tightly on movable jaw depending on battens. When the jaw plates are abraded (usually under side of the jaw plate is abraded severely), upside down and continue to use them.

Toggle plate can not only bear the weight of movable jaw, but also protect other parts of the machine from hurting. When un-broken foreign materials come into crushing cavity which results in heavy load increase of toggle plate, the toggle plate breaks down itself to cut off the heavy load so as to protect other parts of the jaw crushers.

Toggle seat is fastened on ear seat of the jaw crusher's two sides by draw bolts; depend on hydraulic pressure lifter (lifting bolts) to lift out toggle seat, change pad thickness, and i.e. be able to adjust the width of discharge outlet.

Technical Data Of Capital-Saving Jaw Crusher:

Model	OutPut(MM)	Max Feediing(MM)	Capacity(t/h)	Power(kw)
F90	40-90	600	90-155	37
F105	40-90	750	105-180	45
F120	40-90	900	150-255	55
S110	60-150	1000	150-260	75
S130	60-150	1100	180-310	75
S150	60-150	1250	200-350	90
H130	75-180	1150	215-420	90
H155	75-180	1300	245-460	110



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H180	75-180	1400	310-630	110
X150	140-270	1400	350-580	110
X180	140-270	1500	400-710	132
X210	140-270	1750	540-1270	160

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