

CROSS BEATER MILL CB100



- Feed size □ ≤25mm
- Final fineness□ 0.1-20mm
- Speed □ 500-4000rpm

The Cross Beater Mill CB100 is designed for materials with a moderate hardness and brittleness. It is versatile, capable of both batch processing and continuous grinding for coarse and fine crushing applications.

APPLICATIONS

The Cross Beater Mill CB100 can handle moderately hard and brittle materials with a hardness rating of up to 6 on the Mohs scale, including materials like ore, coke, minerals, ceramics, slag, gravel, soil, cement, and more.

Cross Beater Mill CB100

Working Principle

The CB100 pulverizes samples by utilizing a combination of beating and impacting actions. The sample is introduced into the center of the chamber via the hopper. Within the chamber, the sample is crushed as it comes into contact with the impact plate and the gear within the embedded components.

Once the sample size is reduced to smaller than the pore size of the sieve, it is directed into the receiving container. Additionally, the beater rotor draws a significant amount of air through the hopper channel, thereby increasing the speed at which the crushed sample is expelled from the crushing chamber.

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Rotor for Cross Beater Mill CB100, mainly used for crushing soil, coal, slag, glass, etc

We also offer rotors and sieves crafted from specialized materials to ensure crushing without the presence of heavy metals.

FEATURES

- It can be securely fixed to the floor or equipped with casters for easy mobility.
- High safety performance with quick-locking and motor braking mechanisms.
- Rapid grinding process with minimal heat generation.
- Sample size control through the use of different-sized bottom sieves.
- Continuous processing of a large sample volume, from a few kilograms to several hundred kilograms per hour.
- CB100 can be paired with a small sample receiver and cyclone separator for convenient sample collection, chamber cleaning, and heat reduction.
- Automatic feeding is possible by connecting a vibratory feeder VF200.
- Easy cleaning facilitated by exchangeable push-fit grinding sieves and rotors.

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Connect cyclone separator, small volume sample receiver

When Cross Beater Mill CB100 is paired with a cyclone separator, it becomes ideal for processing light or small-volume samples. The addition of a cyclone separator expands the capabilities of the Cross Beater Mill. This not only effectively

resolves heat transfer issues during the grinding process, simplifying the cleaning process, but also enhances the consistency and reproducibility of grinding results.

TECHNICAL SPECIFICATIONS

Feed size	≤25mm
Final fineness	0.1-20mm
Speed	500-4000rpm
Collector capacity	0.25-30L
Collector	0.25L□ 0.5L□ 1L□ 3L□ 5L□ 30L
Peripheral speed	3.6-28.9m/s
Grinding chamber material	stainless steel, 1.1740 steel, hardened steel
Rated power	1.5KW
Power supply	220V□ 50/60Hz (110V Also available upon request)
Instrument size	590*705*1260mm
Package size	1000*1000*1450mm
Net weight	120kg



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