

JAW CRUSHER BB 400



The Jaw Crusher BB 400 is used for the **rapid, effective crushing and pre-crushing of medium-hard, hard, brittle and tough materials**. Its variety of materials offered, including heavy-metal free steel, its efficiency and safety makes it ideal for sample preparation in laboratories and industrial plants.

For small amounts of sample the BB 400 is used **batch-wise**; for larger amounts it can be operated **continuously**. Control of the gap width and zero point adjustment allow for reproducible results.

Thanks to the modular construction of housing and frame this jaw crusher is suitable for a wide range of applications.

APPLICATION EXAMPLES

alloys, basalt, cement clinker, ceramics, chamotte, coal, coke, construction materials, feldspar, glass, granite, minerals, ores, oxide ceramics, quartz, rocks, silicon, slag, ...

PRODUCT ADVANTAGES

- | high crushing ratio
- | front door facilitates cleaning
- | infinite/continuous gap width setting
- | overload protection
- | wide range of materials for contamination free grinding
- | no-rebound feed hopper, removable
- | sample collector with safety switch
- | collecting receptacle with outlet for continuous operation
- | connector for dust extraction
- | special version with automated sorting of undersize (3 fractions) and oversize (1 fraction) (2 - 6 mm available)

FEATURES

Applications	coarse and pre-crushing
Field of application	chemistry / plastics, construction materials, engineering / electronics, environment / recycling, geology / metallurgy, glass / ceramics
Feed material	medium-hard, hard, brittle, tough
Size reduction principle	pressure
Material feed size*	< 220 x 90 mm
Final fineness*	< 2 mm
Material of grinding tools	manganese steel, tungsten carbide, steel for heavy-metal free grinding
Jaw width	220 x 90 mm
Gap width setting	0 - 30 mm
Gap width display	scale
Zero point adjustment	yes
Wearing rate display	yes, up to minus 10 mm
Removable hopper	yes
Dust extraction unit	yes
Central lubrication	no
Process line version	optional
Collector capacity	10 l
Base frame	vario frame (adjustable for continuous crushing)
Drive	3-phase motor
Drive power	5.5 kW
Electrical supply data	different voltages
Power connection	3-phase
Protection code	IP 55
W x H x D closed	695 x 1399 x 719 mm
Net weight	~ 400 kg
Standards	CE

*depending on feed material and instrument configuration/settings

FUNCTIONAL PRINCIPLE

The Jaw Crusher BB 400 is a **robust and powerful forced-feed crusher**. The feed material passes through the no-rebound hopper and enters the crushing chamber.

Size reduction takes place in the wedge shaped area between the fixed crushing arm and one moved by an eccentric drive shaft. The elliptical motion crushes the sample which is moved towards the crushing gap under gravity.

As soon as the sample is smaller than the discharge gap width, it falls into a removable collector within the jaw crusher. The continuous gap width setting with scale ensures optimum size reduction in accordance with the set gap width.



[Click to view video](#)

www.retsch.com/bb400