

JAW CRUSHER BB 50



The Jaw Crusher BB 50 has been specially designed for sample preparation in the laboratory. It is used for the **rapid, effective crushing** and pre-crushing of **medium-hard, hard, brittle and tough materials**.

The **space-saving, dust-tight instrument** fits on any laboratory bench and is ideally suited to crush small amounts of sample with large feed sizes **gently and without loss**.

To avoid metallic contamination, the grinding chamber of the jaw crusher is available of ceramic materials. With its digital gap width display and zero point adjustment the jaw crusher BB 50 allows for reproducible results.

APPLICATION EXAMPLES

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

PRODUCT ADVANTAGES

- | powerful size reduction thanks to 1.1 kW industrial drive
- | compact, benchtop instrument
- | removable jaw for easy cleaning
- | adjustable speed allows adaptation to sample characteristics
- | wear compensation with zero-point adjustment
- | convenient operating keypad with digital display
- | memory for gap width setting
- | wide range of materials for contamination free grinding
- | large fold-back hopper

| automatic wear-out notification

FEATURES

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| Applications | coarse and pre-crushing |
| Field of application | agriculture, biology, construction materials, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals |
| Feed material | medium-hard, hard, brittle, tough |
| Size reduction principle | pressure |
| Material feed size* | < 40 mm |
| Final fineness* | < 0.5 mm |
| Material of grinding tools | manganese steel, stainless steel, tungsten carbide, zirconium oxide, steel 1.1750 (for heavy-metal free grinding) |
| Jaw width | 45 x 59 mm |
| Gap width setting | 0 - 11 mm in increments 0.1 mm |
| Gap width display | digital |
| Zero point adjustment | yes |
| Reverse rotating direction | yes |
| Hinged hopper | yes |
| Dust extraction unit | already dust-tight |
| Central lubrication | lifetime lubrication by manufacturer |
| Process line version | process line use is possible by removing drawer |
| Collector capacity | 3 l |
| Drive | 3-phase motor with frequency converter |
| Drive power | 1.1 kW |
| Electrical supply data | different voltages |
| Power connection | 1-phase |
| Protection code | IP 20 / IP 00 at ventilation slots |
| W x H x D closed | 420 x 460 x 560 mm |
| Net weight | ~ 79 kg |
| Standards | CE |

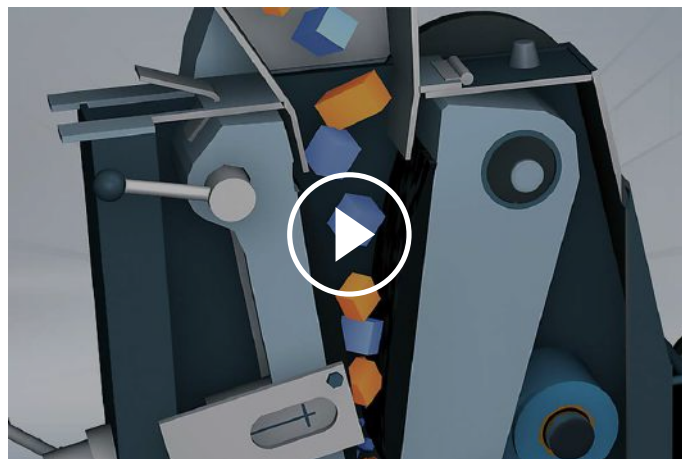
*depending on feed material and instrument configuration/settings

FUNCTIONAL PRINCIPLE

The Jaw Crusher BB 50 is a **robust and powerful forced-feed crusher**. The feed material passes through the no-rebound hopper and enters the crushing chamber.

Size reduction in the Jaw Crusher takes place in the wedged area between the fixed crushing arm and one moved by an eccentric drive shaft. The elliptical motion crushes the sample which then falls under gravity.

As soon as the sample is smaller than the discharge gap width, it falls into a removable collector. The continuous **gap width setting with digital display ensure optimal size reduction** in accordance with the set gap width value.



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