



## ЧЕЛЮСТНА ТРОШАЧКА BB 500

Best combination of power and final fineness

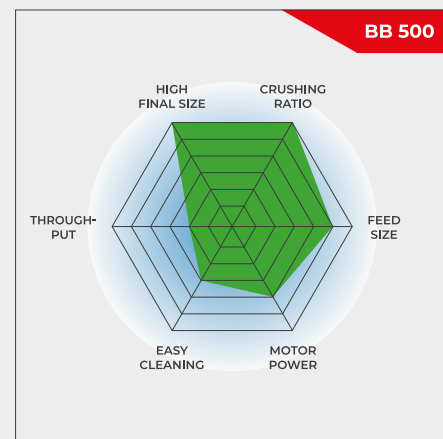
**The Jaw Crusher BB 500 is specifically designed for accepting large feed sizes up to 110 mm. The gap width can be set stepless from 0-11 mm. Depending on the sample material, particle sizes down to 0.5 mm can be obtained in one working run, resulting in an excellent crushing ratio of 220. A throughput of up to 500 kg/h is possible with the BB 500.**

The RETSCH jaw crusher series is available in 8 different sizes. Throughput and final fineness depend on the crusher type, selected gap width and breaking properties of the sample material.

Robust design, simple handling and cleaning are the features of the RETSCH jaw crusher models. Small amounts of sample are processed batchwise; for larger amounts the crushers can be operated continuously.

## ROBUST & VERSATILE

- | Excellent crushing ratio
- | Continuous gap width setting
- | Wide range of materials for contamination free grinding
- | Connector for dust extraction
- | Removable hopper with splash-back protection
- | Longer service life by 180° rotation of the jaws



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## SUPERIORITY IN DETAIL

The BB 500 is a robust and powerful force-fed crusher characterized by its excellent crushing ratio. Thanks to the steep crushing chamber design, the highly effective crushing kinematics and the high frequency of the jaw movement it is possible to process samples with a feed size of up to 110 mm to a final fineness of 90 % below 0.5 mm in one working run.

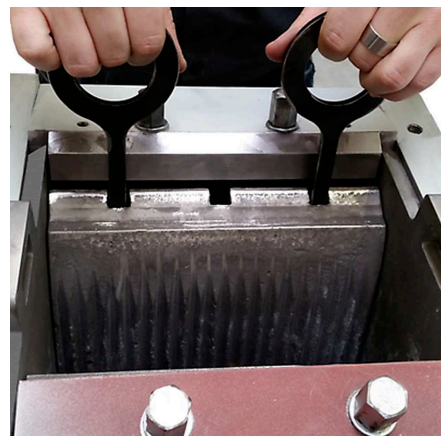
The continuous gap width setting with scale ensures optimum size reduction in accordance with the set gap width. The receptacle for collecting the sample after crushing keeps up to 15 l sample per batch.

The feed hopper with splash-back protection can be removed quickly and easily. The BB 500 has a connection for dust extraction and is protected against mechanical overload.

Cleaning the crushing chamber is done quickly and easily thanks to removable hopper and exchangeable jaws and wearing plates.



Scale for continuous gap width setting



Jaws and wearing plates can be replaced

## PROCESS-LINE VERSION

The BB 500 jaw crusher is also available in versions which are suitable for continuous size reduction in online operation, e. g. for quality control during the production process.

These are supplied without feed hopper and motor protection switch. The voltage of the three-phase AC motor will be selected in accordance with the customer's requirements.



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## ТИПИЧНИ МАТЕРИАЛИ ЗА ПРОБА

RETSCH's powerful jaw crushers are ideally suited for preliminary crushing of construction materials, ores, granite, oxide ceramics, quartz, slag, silicon, coal, tungsten alloys, cement clinker, etc.



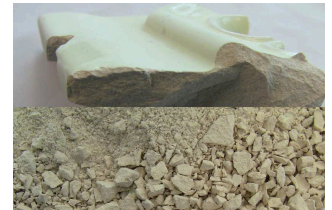
*ferrochrome*



*силиций*



*quartzite*



*calcium silicate*

To find the best solution for your sample preparation task, visit our application database.

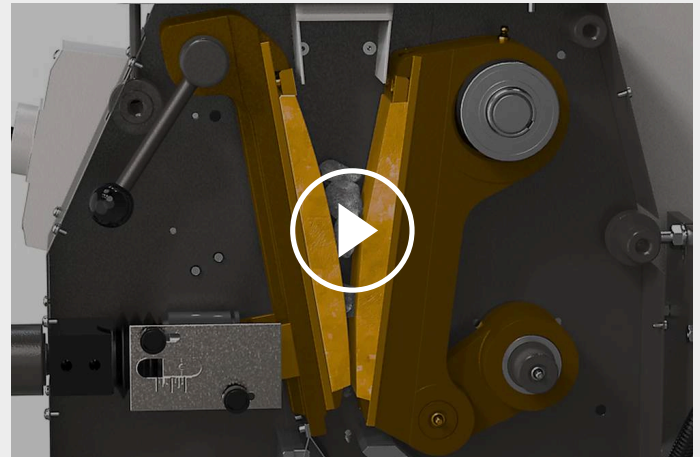
## ЧЕЛЮСТНА ТРОШАЧКА BB 500

### ПРИНЦИП НА РАБОТА

The Jaw Crusher BB 500 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 oscillating with high frequency. This motion ensures a consistent gap width in the stroke cycle so that the sample is crushed to the set fineness in one working step. Two massive flywheels transmit high impulse forces to the crushing jaws. The innovative design permits using both sides of the jaws thanks to a 180° rotation.

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



[Click to view video](#)

## ЧЕЛЮСТНА ТРОШАЧКА BB 500

**TECHNICAL DATA**

<b>Приложения</b>	едро смилане и предварително намаляване на размерите
<b>Област на приложение</b>	Химия / пластмаси, геология / металургията, околна среда / рециклиране, строителни материали / електроника, стъкло / керамика
<b>Материали</b>	средно твърди, твърд, крехък, жилави
<b>Принцип на смилане</b>	налягане
<b>Максимален размер на захранващият продукт</b>	< 110 mm
<b>Големина след смилане*</b>	90% < 0.5 mm
<b>Производителност*</b>	500 kg/h
<b>Материал на смилещите части</b>	манганова стомана, NiHard 4
<b>Разстояние между челюстите</b>	250 x 130 mm
<b>Настройване на разстоянието</b>	0 - 11 mm
<b>Изобразяване на разстоянието:</b>	скала
<b>Отваряне на бункера</b>	да
<b>Прахоуловител</b>	да
<b>Система за централно смазване</b>	не
<b>Версия за ползване при поточна линия</b>	опция
<b>Капацитет на колектора</b>	15 l
<b>Задвижване</b>	трифазен мотор
<b>Мощност на двигателя</b>	7.5 kW
<b>Данни за електрозахранването</b>	различни напрежения
<b>Захранване</b>	трифазен
<b>Защита</b>	IP 55
<b>Размери затворена</b>	930 x 1400 x 1080 mm
<b>Нетно тегло</b>	~ 1000 kg
<b>Стандарти</b>	CE



\* в зависимост от захранващия материал и настройките на инструмента\*

[www.retsch.bg/bb500](http://www.retsch.bg/bb500)

## ДАННИ ПОРЪЧКА

### JAW CRUSHER BB 500



**Jaw Crusher BB 500 complete with breaking jaws, wearing plates, feed hopper, collecting receptacle and base frame**

				breaking jaws / wearing plates
21.003.0001		BB 500	3~ 400 V, 50 Hz	manganese steel / hardened steel
21.003.0006		BB 500	3~ 400 V, 50 Hz	NiHard 4 / hardened steel

**other electrical versions available for the same price**

### VERSION FOR INTEGRATION

**Version for integration into a system at the customer's location, with manufacturer's declaration according to EC machine directive, with three-phase motor, without hopper, frame and protective motor switch**

21.003.0003		BB 500	3~ 400 V, 50 Hz	manganese steel / hardened steel
21.003.0007		BB 500	3~ 400 V, 50 Hz	NiHard 4 / hardened steel

### CYCLONE FOR BB 500

CYCLONE SET WITH HOLDER, FDA CERTIFIED HOSE, LID WITH CONNECTOR FOR VACCUUM CLEANER AND SAMPLE OUTLET  
(PLEASE ORDER CASSETTE WITH OUTLET SEPARATELY)

22.935.0039	Cyclone set with collecting receptacle 30 litres
03.183.0154	Cassette with outlet for use with cyclone
02.605.0420	Adjustable steel connection tubing (316L) for cyclone set
05.707.0208	FDA certified hose, 1.5 m
22.748.0017	Industrial vacuum cleaner Attix, 230 V, 50/60 Hz

### ACCESSORIES JAW CRUSHER BB 500

BREAKING JAWS BB 500

23.048.0033



Breaking jaws, manganese steel, 1 pair

23.048.0036

Breaking jaws, NiHard 4, 1 pair

**other materials available on request**

#### WEARING PLATES BB 500

23.711.0025

Wearing plates, hardened steel, 1 pair

23.711.0030

Wearing plates, NiHard 4, 1 pair

**other materials available on request**

#### FURTHER ACCESSORIES BB 500

23.003.0025

Collecting receptacle, standard steel, powder coated, 15 litres

05.045.0528

Collecting receptacle for cyclone set 22.935.0039, 30 litres