



KAAKBREKER BB 50

The compact benchtop model

The BB 50 is the smallest model of the RETSCH jaw crusher series and has been specially designed for sample preparation in the laboratory. The compact machine fits on any laboratory bench and offers safe and convenient handling.

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.

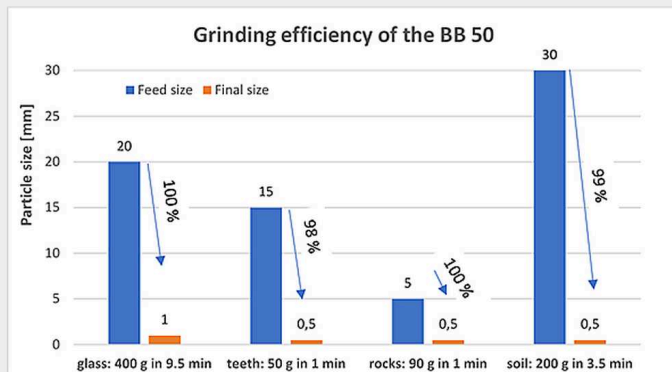
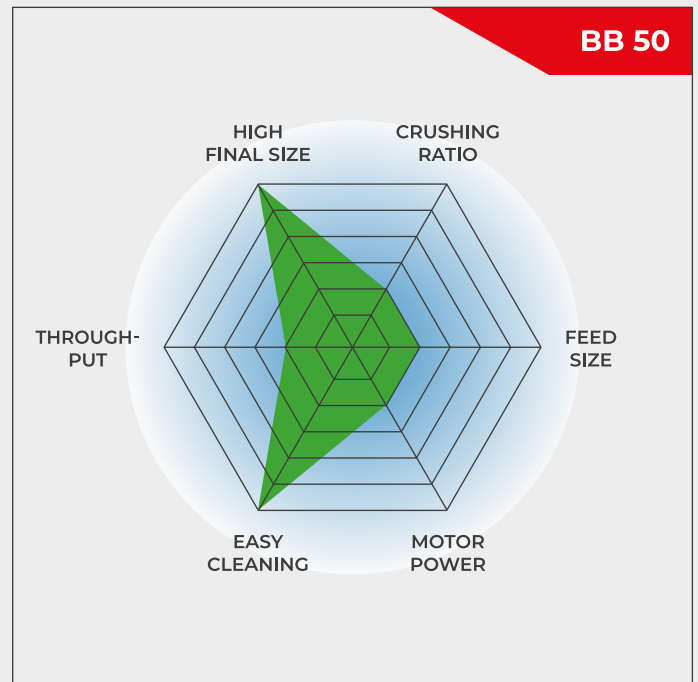


[Klik om video te bekijken](#)

Product Video

POWERFUL & COMPACT

- | High crushing efficiency, feed sizes up to 40 mm can be crushed to 0.5 mm
- | 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



Small, powerful benchtop unit

KAAKBREKER BB 50

SUPERIORITY IN DETAIL

The BB 50 is designed for efficient and convenient size reduction. The variable speed can be set between 550 and 950 min⁻¹ to adapt the crushing process to sample requirements. The possibility to reverse the rotating direction is helpful if too much sample material has been fed to the crusher causing it to block. The simple push of a button restarts the process. Due to permanently lubricated bearings and its solid design, the BB 50 jaw crusher is virtually maintenance-free.



Fold-back hopper can be removed for easy access



Digital speed setting and display of gap width

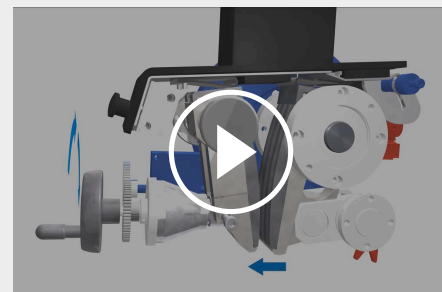


Large collection receptacle (3 l) with optional lid

KAAKBREKER BB 50

ZERO POINT ADJUSTMENT

An advantage of the jaw crusher BB 50 is the so-called zero point adjustment. Sooner or later, the breaking jaws will show signs of wear which will affect the reproducibility of the size reduction process. This effect can be compensated by adjusting the zero point. A sign in the display indicates if the jaws need to be replaced altogether, thus helping to avoid damages to the crusher.



[Klik om video te bekijken](#)

KAAKBREKER BB 50

EASY OPERATION & CLEANING

Working with the BB 50 jaw crusher is easy and safe. The large, clearly structured operating panel allows for digital display of parameters such as gap width and speed. The sample material is conveniently fed to the crusher via the large hopper equipped with splash-back protection.



[Klik om video te bekijken](#)

For easy cleaning the fold-back hopper and crusher arm can be removed without using tools. The user can also exchange the breaking jaws if the crusher needs to be converted for different applications.

CYCLONE SYSTEM FOR JAW CRUSHERS

BYE-BYE DUST AND SAMPLE LOSS

Whether you're preparing samples in mining, precious metals, materials research, or environmental analysis, the RETSCH Cyclone System ensures efficiency, precision and safety like never before!



Why should you choose the RETSCH Cyclone System?

| Total Sample Recovery

Eliminate sample loss during crushing with our cyclone, ensuring accurate and reproducible results for every analysis!

| Enhanced Operator Safety

Our cyclone significantly reduces dust exposure, creating a safer and cleaner working environment for your team!

Plus: Existing instruments (BB 50, BB 250, BB 400 or BB 500) can be retrofitted with the Cyclone System.

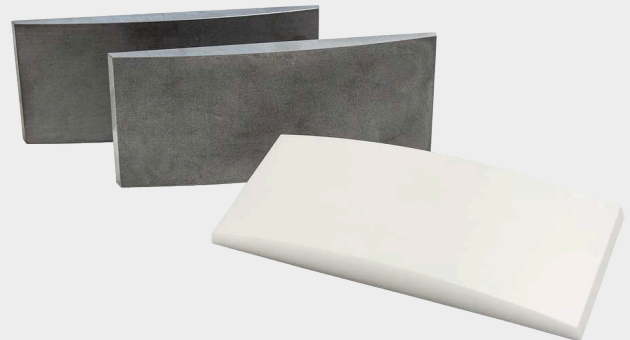
FOR SAFE AND EFFICIENT CRUSHING PROCESSES

ACCESSORIES FOR THE JAW CRUSHER BB 50

Breaking jaws and wearing plates are available in five different materials to be selected depending on the sample and the analysis to be carried out:

- | mangaanstaal
- | roestvrij staal
- | wolframcarbide
- | zirkoniumoxide
- | staal voor het malen zonder zware metalen

The optional lid for the collecting receptacle of the jaw crusher ensures that the fine residues from previous samples fall on the lid and not into the receptacle which helps to avoid cross contaminations.



KAAKBREKER BB 50

TYPISCHE MONSTER MATERIALEN

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.



beton



jade



glas



kolen

Bezoek onze toepassingsdatabase om de beste oplossing voor uw monstervoorbereiding of analyse te vinden.

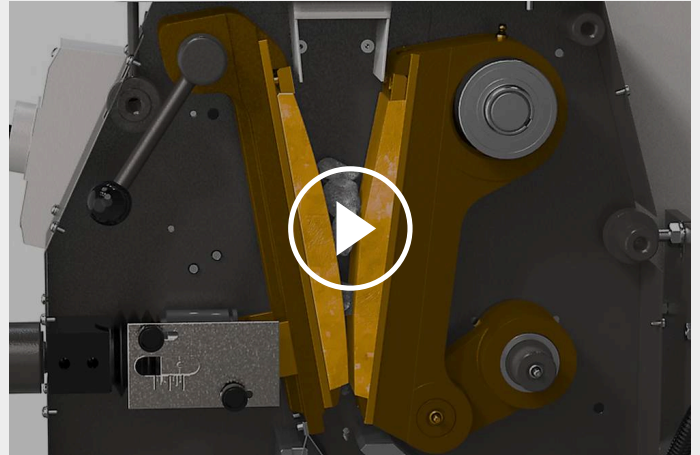
KAAKBREKER BB 50

PRINCIPE

De kaakbreker BB 50 is een robuuste, performante breker. Het produkt valt door de toevoertrechter, die tegen terugspringend produkt beveiligd is, in de trechtersvormige maalkamer.

Daar wordt het materiaal gebroken tussen de ellipsvormig bewegende en de vaststaande arm en naar beneden toe bewogen.

Zodra de deeltjes een fijnheid hebben bereikt die kleiner is dan de onderste opening, vallen ze in een uitneembare opvanglade. De traploos instelbare spleetinstelling kan worden afgelezen op een digitale display en garandeert daarbij een optimale, aan het te malen produkt aangepaste instelling.



[Klik om video te bekijken](#)

KAAKBREKER BB 50

TECHNISCHE GEGEVENS

Toepassingen	Grove en voorvermaling
Toepassingsdomein	biologie, bouwmaterialen, geneesmiddel / medicijnen, geologie / metallurgie, glas / keramiek, landbouw
Toevoermateriaal	medium-hard, hard, breekbaar, taai
Maalprincipe	Druk
Korrelgrootte materiaal*	< 40 mm
Eindfijnheid*	< 0.5 mm
Doorvoer*	3 l/batch
Materiaal van maalwerktuigen	mangaanstaal, roestvrij staal, wolframcarbide, zirkoniumoxide, staal 1.1740 (voor het malen zonder zware metalen)
Kaakbreedte	45 x 59 mm
Instelling spleetopening	0 - 11 mm in increments 0.1 mm
Weergave spleetopening	digitaal
Nulpuntsinstelling	Ja
Omgekeerde draairichting	Ja
Gescharnierde trechter	Ja
Stofextractie-eenheid	toestel is stofdicht
Centrale smerinstallatie	lifetime lubrication by manufacturer
Proces-lijn versie	process line use is possible by removing drawer
Opvangcapaciteit	3 l
Aandrijving	3-fase motor met frequentie-omvormer
Aandrijfvermogen	1.1 kW
Gegevens electriciteit	verschillende spanningen
Aansluiting electriciteit	mono fase
Beschermingsklasse	IP 20 / IP 00 aan de verluchtingsspleten
B x H x D gesloten	420 x 460 x 560 mm
Netto gewicht	~ 79 kg
Standaarden	CE

*afhankelijk van toegevoerd materiaal en configuratie/instellingen van toestel

www.retsch.nl/bb50

BESTELGEGEVENS

KAAKBREKER BB 50

Jaw Crusher BB 50 complete with breaking jaws and wearing plates

				kaken / slijtplaten
20.062.0001		BB 50	200–240 V, 50/60 Hz	mangaanstaal / roestvrij staal
20.062.0002		BB 50	200–240 V, 50/60 Hz	roestvrij staal / roestvrij staal
20.062.0009		BB 50	200–240 V, 50/60 Hz	stainless steel waved / stainless steel
20.062.0003		BB 50	200–240 V, 50/60 Hz	wolframcarbide / wolframcarbide
20.062.0004		BB 50	200–240 V, 50/60 Hz	zirconium oxide / zirconium oxide
20.062.0005		BB 50	200–240 V, 50/60 Hz	steel 1.1750 / steel 1.0344, for grinding without heavy-metal contamination

CYCLONE FOR BB 50

CYCLONE SET WITH HOLDER, CONNECTING ELEMENT, LID WITH CONNECTOR FOR VACCUUM CLEANER AND SAMPLE OUTLET
(PLEASE ORDER CASSETTE WITH OUTLET SEPARATELY)

22.935.0038	Cyclone set with sample bottles 0.25 and 0.5 liters
02.183.0140	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 50

BREAKING JAWS BB 50

22.048.0014		Kaken mangaanstaal
-------------	---	-----------------------

1 paar

22.048.0012



Kaken
roestvrij staal
1 paar

22.048.0023

Kaken
stainless steel, waved
1 paar

22.048.0010



Kaken
tungsten carbide
1 paar

22.048.0011



Kaken
zirconium oxide
1 paar

22.048.0016



Kaken
staal 1.1750
1 paar, for grinding without heavy-metal contamination

WEARING PLATES BB 50

22.711.0015

Slijtplaten
roestvrij staal
1 paar

22.711.0016



Slijtplaten
tungsten carbide
1 paar

22.711.0017



Slijtplaten
zirconium oxide
1 paar

22.711.0018



Slijtplaten
staal 1.0344
1 paar, for grinding without heavy-metal contamination

FURTHER ACCESSORIES BB 50

03.050.0437



Deksel voor opvangbak

05.242.0038



V-riem, 1 stuk

22.825.0005



Handvatten, 1 paar