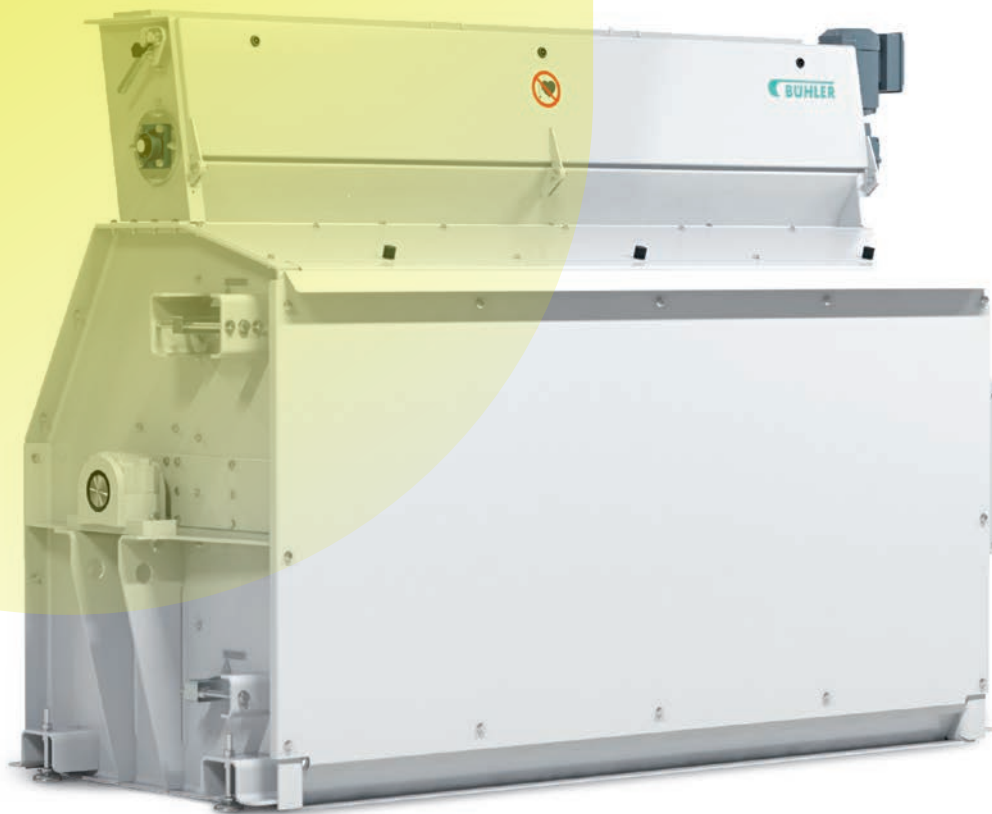


Sunflower
Impact Dehuller.
DGBB.



Efficient dehulling technology. For consistently high product quality.

In order to achieve optimal extraction results with a low percentage of residual hulls, efficient dehulling technologies are required. The DGBB dehulls sunflower seeds in a proven way whilst delivering highest performance figures.

Consistently high product quality at high throughput rates.

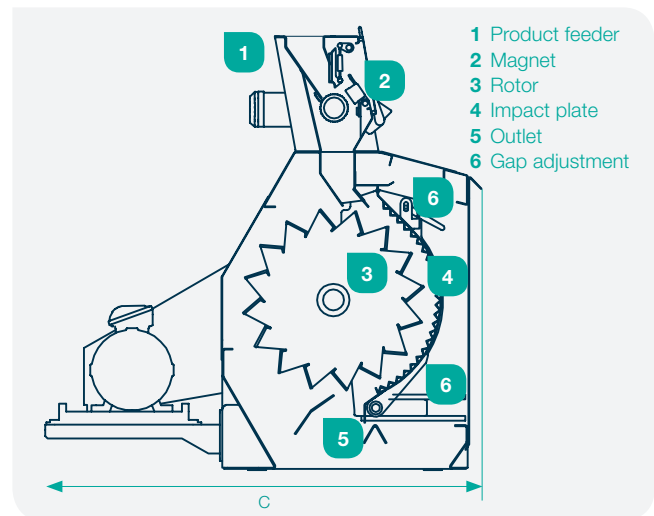
The DGBB achieves throughput rates up to 200 metric tons per day. To ensure a consistent product quality, the horizontal feeder spreads the seeds uniformly across the complete width of the rotor. The rotor hurls the seeds against the impact plate, separating the product into hulls and kernels.

Efficient, flexible dehulling and lower fine dust content.

As a result of the specific design of the impact plate, the seeds are efficiently dehulled while the number of damaged seeds is minimized. Also undesirable fine dust, which may increase the oil impregnation effect, is perceptibly reduced. Different moisture content values or sunflower seed varieties can be taken into account by adjusting four set-points in order to achieve a consistent dehulling degree.

Rugged design for reliable operation.

The rugged frame structure with its vibration pads minimizes vibrations and noise. The durable rotor, beater plates and impact plate, magnets, and seals are subject to only little wear, ensuring sustainably reliable operation.



The benefits at a glance:

- Consistently high product quality at a high throughput rate
- Inspection window in the feeder allows observation of product flow
- Rugged design for reliable operation and minimized downtimes
- Easy-to-adjust impact plate and feed slide gate

Optimized design. For minimized operating and maintenance costs.

Easy maintenance and minimized downtimes.

Large removable service doors provide easy access to all components. The rotor, beater plates and impact plate can be exchanged within short time. The readily accessible feeder allows easy cleaning of the magnets and fast adjustment of the feed slide gate. An inspection window integrated in the feeder allows easy checking of the product flow across the whole machine width. All this minimizes downtimes as well as operating and maintenance costs.



Reliable performance thanks to low-wear rotor flights and impact plate.

Fully integrated process operations.

The sunflower impact dehuller is an essential element in Bühler's sunflower preparation process. All components are seamlessly matched to ensure maximum performance, efficiency, and product quality. The process chain consists of the following system components:

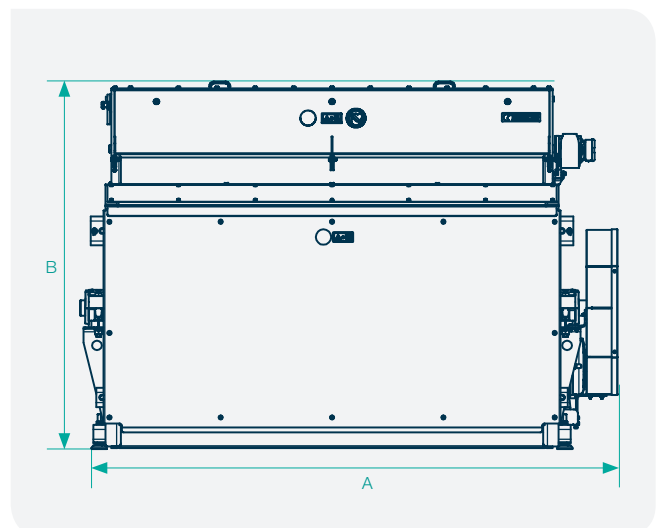
- Destoner and cleaners
- Dehulling technologies
- Flaking mills
- Hammer mills
- Pellet mills
- Conveying systems



Fast cleaning thanks to easy access to the feeder and magnets.

Technical data:

| DGBB | | |
|--------------------|----|------|
| Motor power | | |
| Feeder | kW | 0.75 |
| Main Motor | kW | 18.5 |
| Rotor | | |
| Diameter | mm | 800 |
| Length | mm | 2150 |
| Weight | | |
| Net incl. Rotor | kg | 1935 |
| Rotor | kg | 452 |
| Dimensions | | |
| Width (A) | mm | 2700 |
| Height (B) | mm | 1915 |
| Depth (C) | mm | 1939 |



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