

Flaking Mill

DOQB



Reliable performance.

Optimum flaking through proven technology.



A leading equipment for the oilseed industry

The Buhler flaking mill DOQB meets today's requirements in the oilseed processing as well as in applications in the feed manufacturing and food processing industries. It is employed in the oilseed preparation and handling for the flaking of cracked soy beans and soft oilseeds such as sunflower, canola and corn germ. Proper oilseed flaking is a critical factor in the oil extraction process, as the seed's microscopic oil cells are ruptured, allowing the extraction media to penetrate the material.

Designed to perform reliably and accurately

The flaking mill DOQB offers safe and reliable performance. It has been equipped with state-of-the-art control unit and machine control software. The system allows for easy handling and fast setting of important machine operations such as feeder gap setting, automatic start-up and machine interlocking status during service mode. The machine's features include two mechanically adjustable scrapers which remove stuck flakes from the roll surfaces, thereby ensuring a constant product flow.

Low maintenance requirements, increased durability

The flaking mill DOQB's patented roll end seals minimize the amount of maintenance required. The seals prevent pitting at the roll ends, thus increasing the unit's overall durability.

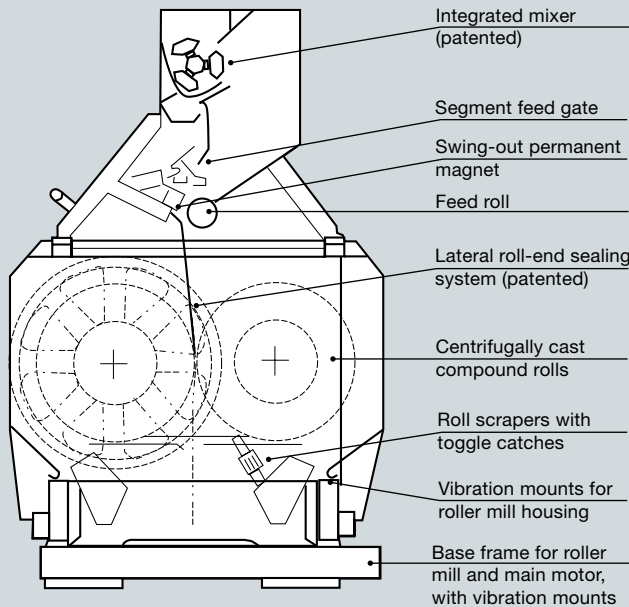
The specially designed roll grinding device allows for uniform grinding along the entire length of the roll surface, without removing the rolls.

Low vibration means less noise, wear and tear

The flaking mill and drive motor are mounted on a common base supported by vibration mounts resting on the floor. No vibrations are transmitted to the building structure. Noise is kept at a minimum, contributing to a more pleasant working environment.

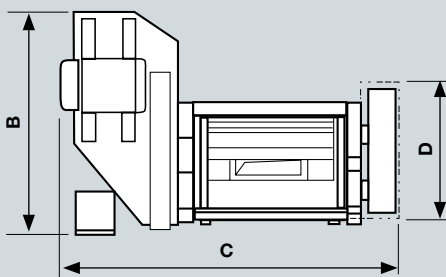
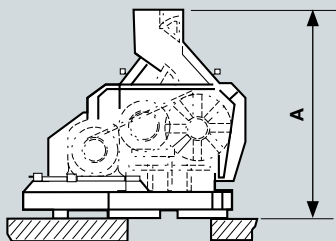
- Reliable, accurate operation
- Low maintenance
- Less noise, less wear and tear
- Adjustable flake thickness during operations
- Top quality parts

Proven design. Reliable and efficient flaking.

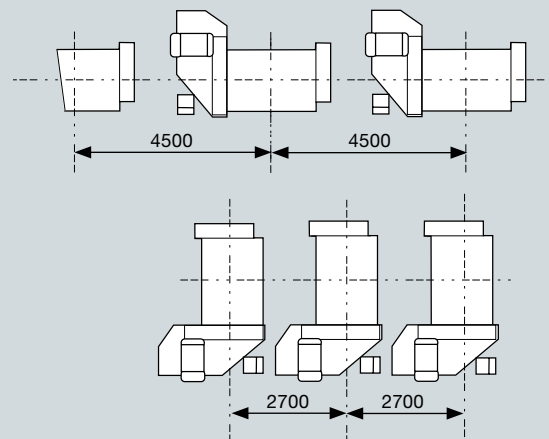


Mode of operation

The raw material is homogenized in the mixer and – with the assistance of regulable feed roll – equally distributed into the roll gap. Big sized and surface treaded rolls assure an optimal flaking of product. Ideal flake thickness is achieved with hydraulic cylinders which control the flaking pressure.



Installation configurations



Technical data

Dimensions in mm				Roll Dimensions		Roll Pressure	Power kW			Approx. Weights in kg			Volume m ³
A	B	C	D	Diameter in mm	Length in mm	Force kN	Main drive	Feeding drive	Mixing drive	net	gross	by sea	by sea
2200	2350	3695	1535	600	1500	300	75 – 90	0.37	1.1	8940	9420	9715	12.7

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