

# Flaking Mill. **DOQB.**



# Reliable performance. Optimum flaking through proven technology.

The Buhler flaking mill DOQB meets today's requirements in the oilseed processing as well as in applications in the feed 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.

## Designed to perform reliably and accurately.

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. 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. The primary application for the OLCB cracking mill is the crushing of the lipids-bearing raw materials in oilseeds processing plants. The OLCB is also suitable for other grinding applications in various industries such as size reduction of cereals and grains.

## 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.



### Advantages:

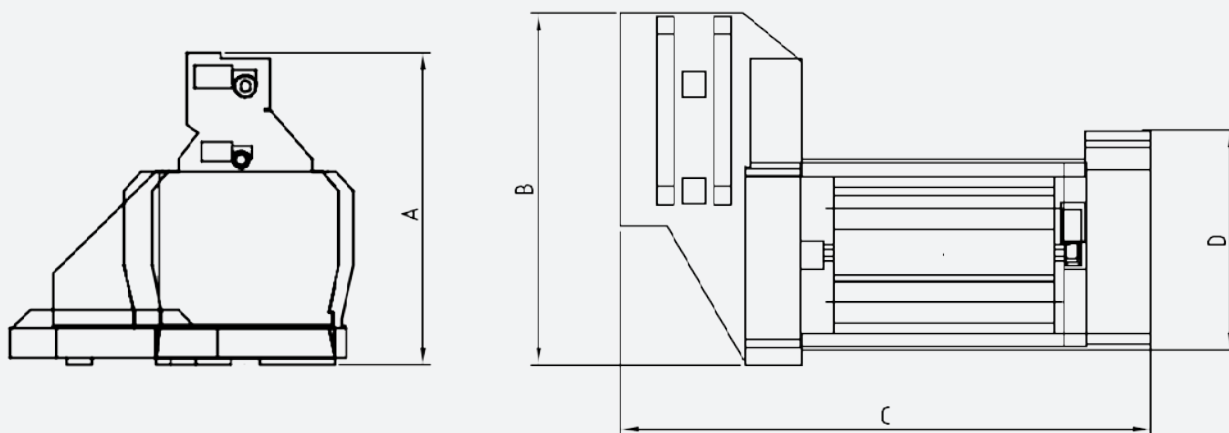
- Reliable, accurate operation
- Low maintenance
- Less noise, less wear and tear
- Adjustable flake thickness during operations
- Top quality parts

# Proven design. Reliable and efficient flaking.

DOQB		
<b>Dimensions</b>		
A	mm	2200
B	mm	2350
C	mm	3695
D	mm	1535
<b>Roll Dimensions</b>		
Diameter	mm	600
Length	mm	1500
<b>Roll Pressure Force</b>	kN	300
<b>Power</b>		
Main drive	kW	75 - 90
Feeding drive	kW	0.37
Mixing drive	kW	1.1
<b>Approx. Weights</b>		
net	kg	8940
gross	kg	9420
by sea	kg	9715
<b>Volume by sea</b>	m³	12.7

## 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.



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