

Flaking Roller Mill
– the allrounder.



The flaking roller mill – the allrounder. Top performance in a restricted space.

The Buhler flaking roller mill has been designed for making delicious breakfast cereals and grain flakes and has proved its worth in numerous applications. But there is even more to it than that: The flaking roller mill is also selected by food processors for making specialty products, which consumers are increasingly demanding. In the processing facilities of leading breakfast cereal and grain flake producers, the Buhler flaking roller mill has long become the established standard.

It owes its popularity especially to its high flexibility and performance. The flaking roller mill can be tailored to customers' specific needs. Its small footprint, its variable drive configuration, and its product feed and discharge systems enable it to be installed according to specific requirements. Its processing capacity has now been significantly increased over that of earlier versions, further increasing its efficiency. The flaking roller mill yields an excellent product quality at throughputs ranging from 1300 to 6000 kg/h, depending on the material processed.

Top commercial, technical, and technological characteristics will make this flaking roller mill an indispensable piece of equipment in your plant and ensure the success that you are striving for with your product range.



Unique and proven. Technologically – technically – economically.

Flaker control system

In the development of the new PLC-based BCFA flaker control system, the focus is on a simple, easy-to-understand user interface. The display can be configured according to your needs.

The following possibilities exist:

- Installation in machine frame
- Installation in pump rack
- Installation in door of the BCFA control system

Remote visualization is possible via a PC or a databus link with a master control system.



Sanitation and service

The new sanitation and service concept significantly reduces downtimes for cleaning and maintenance. The two rolls are removed from the operator's side. This halves the time requirement for servicing the rolls.



Quiet and low-vibration design

A design principle has been applied which is novel for flaking roller mills. It effectively suppresses vibrations generated in the rough flaking operation. Installation of the new flaking mill therefore does not require any special building-related measures. Its operation is quiet and smooth.



Unique product quality

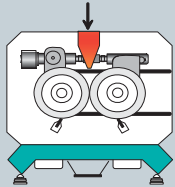
The uniform, high quality of the flakes produced is achieved through a high-precision roll gap adjustment device operating to one hundredth of a millimetre, in conjunction with an efficient roll cooling system. The centrifugally cast rolls are provided with cooling circuits inside the roll jacket, which ensure a constant roll temperature across the entire roll width. The precision of the product feed system also has a decisive impact on the flake quality. All variants operate within a very narrow particle distribution range across the entire roll width.



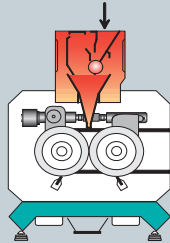
Boundless variety.

Modular integration in your plant.

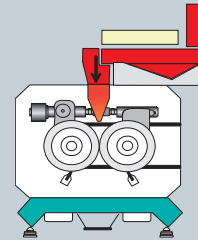
Product feed variants



Inlet hopper

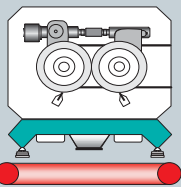


Roll feeder

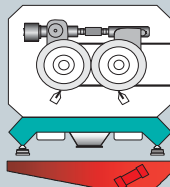


Vibro-feeder

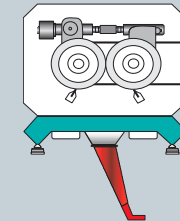
Product discharge variants



Belt discharger

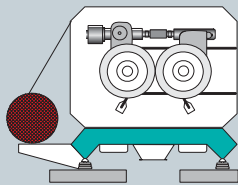


Vibro-discharger

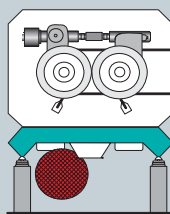


Pneumatic discharger

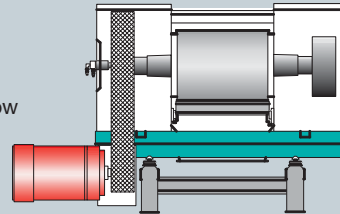
Installation variants



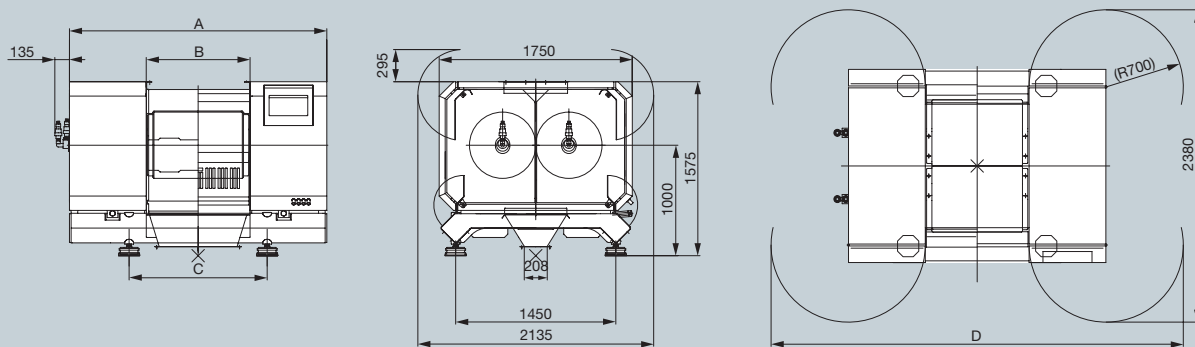
Drive at rear



Drive below frame



Technical data.



Machine type	Rolls mm		Dimensions in mm				Motor max. kW	Cooling efficiency kW	Weight approx. kg
	Ø	length	A	B	C	D			
BCFA-508	500	800	2330	940	1250	3730	30 – 75	30 – 70	7000
BCFA-512	500	1250	2780	1390	1700	4180	30 – 75	30 – 70	8000
BCFA-608	600	800	2330	940	1250	3730	45 – 110	30 – 100	8000
BCFA-612	600	1250	2780	1390	1700	4180	45 – 110	30 – 100	8500



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