Flaking roller mill with Steamer

BCFA, MBDA
Flaking roller mill with Steamer
Fine food-grade flakes of consistent quality

Application
The BCFA flaking roller mill with its associated MBDA steamer constitute the heart of a flaking line. In the upstream steamer, the product to be flaked undergoes hydrothermal treatment before being fed to the flaking roller mill. The newly developed flaking line has been designed for processing whole and cut oat groats, corn (maize), wheat, barley, buckwheat, millet and rice.

Mode of operation
The product to be flaked is fed from the feed hopper into the steaming zone located in the upper section of the steamer. A special steam distribution system directs saturated steam to several points in the product and distributes it uniformly. The following retention zone serves for equalizing the temperature and moisture in the individual grains. The roll feeder feeds the product uniformly across the entire length of the roller mill rolls. Thanks to the precise roll settings and the high roll pressure, a uniform flake quality is achieved.

Advantages of the flaking roller mill
• High flaking capacity up to 6 t/h
• Consistently high roll pressure
• Constant flake quality
• Components stainless steel
• High level of automation
• Easy-to-use local control system
• Smooth and low-vibration operation
• Easy, minimum maintenance

Advantages of the steamer
• Uniform exposure of product to steam
• No moving parts inside the steamer
• Minimum maintenance
• Factory-insulated
• Completely of stainless steel

Technical data, dimensions

<table>
<thead>
<tr>
<th>Steamer</th>
<th>Flaking roller mill</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBDA</td>
<td>Height mm</td>
</tr>
<tr>
<td>MBDA-820</td>
<td>3130</td>
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<td>3130</td>
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<tr>
<td>MBDA-840</td>
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*Approx. throughputs for large oat flakes > 1.0 mm based on oats with bulk density 0.7 t/m³ and retention time 30 min. Final throughput data only upon consultation with Buhler Uzwil/MU61.
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