A close-up photograph of a large industrial impact machine, the Matador MJZH, in a laboratory or factory setting. The machine is primarily silver and grey, with a prominent circular flange on the right side. In the background, there are other industrial components, including a blue metal frame. The image is overlaid with large, semi-transparent circular shapes in shades of orange, green, and teal on the left side.

Impact machine
Matador.
MJZH

Innovations for a **better world.**

 **BÜHLER**

Top mortality rate. For high-quality end products.

Only the best possible flour and semolina quality will provide the basis for making successful products, differentiating yourself from competitors, and generating high margins.

Food safety as a success factor.

One essential challenge in this connection is to destroy eggs of insects that the flour contains and which might jeopardize food safety. This calls for an intelligent solution that blends seamlessly with the existing production process, offers maximum throughput capacity and process reliability, and at the same time destroys insect eggs with unrivaled dependability.

Efficient destruction of insect eggs.

The Matador impact machine is an entirely new impact machine design for mechanical destruction of eggs of insects in flour or semolina. The machine's particularly effective cross-current principle enables more than 99.5 % of all eggs of insects contained in the flour and semolina to be destroyed with absolute dependability – at top throughput capacity, minimum operating and maintenance costs and proved by independent examination.

Benefits.

- Mortality rate over 99.5 %
- Maximum process reliability
- Minimum maintenance requirement
- Low energy consumption



Multiple impacting on the basis of the crosscurrent principle.

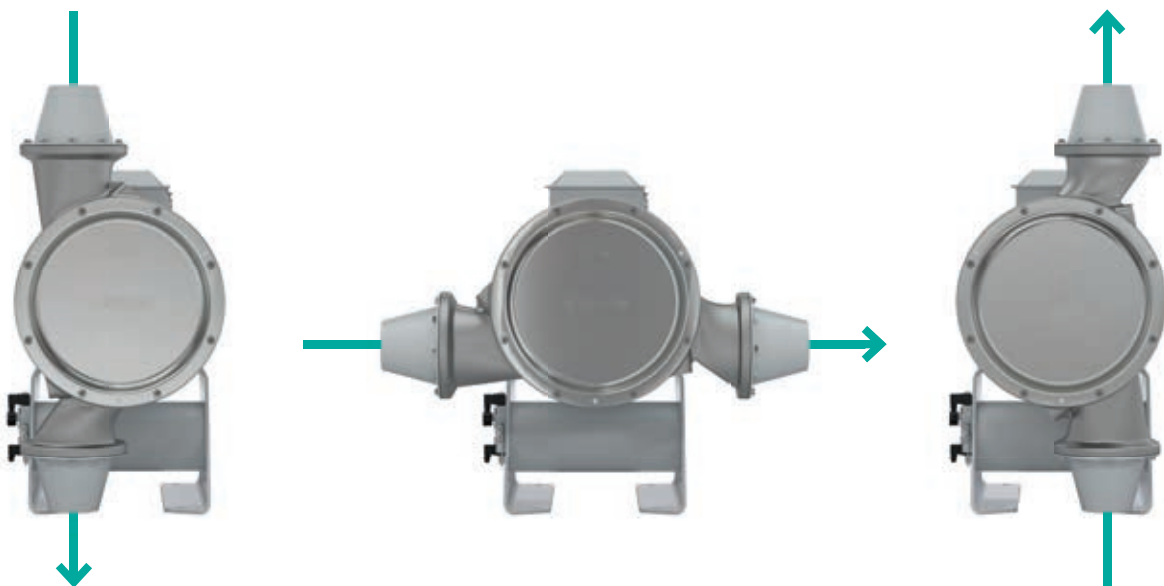
Wide range of throughput capacities.

For meeting individual needs.

In order to meet individual needs, the Matador comes in 5 closely graduated sizes – with throughput capacities ranging from 1 to 45 t / h. What all machine sizes have in common is their high mortality rate of over 99.5 %, their reliable and durable operation, and their low operating and maintenance costs.

Type	MJZH-100	MJZH-165	MJZH-200	MJZH-303	MJZH-440
Flour max. throughput (t/h)	5,8	9,0	15,8	28,2	45
Max. motor size (kW)	11	18,5	30	55	90
Semolina max. throughput (t/h)	12,5	25	35	–	–
Max. motor size (kW)	7,5	15	22	–	–
Height (mm)	775	775	955	1020	1100
Length (mm)	725	792	976 / 1071	1179 / 1207 / 1211	1357
Width (mm)	444	444	519	594	594

Matador can be integrated in existing systems with great ease and flexibility – standing, lying, or suspended. Depending on the direction of flow, incorporation is possible in gravity spouting at atmospheric pressure or in pneumatic pressure lines with up to 1 bar positive pressure. The small machine sizes can also be ceiling-mounted.



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