Fluid Bed.
OLHA.

Innovations for a **better world.**

BÜHLER

Proven Fluid Bed Technology.
Efficient Soybean Popping.

Bühler's fluid bed OLHA is applied in the oilseed processing industry during the second stage of the soybean hot dehulling process. Following conditioning, the fluid bed is designed to pop soybean hulls and to reduce the moisture of soybeans for efficient oil extraction.

Application.

In preparing soybeans for oil extraction, hot dehulling is a process in areas where soybeans are processed directly from the field. The Fluid Bed OLHA finds its application in the second stage of the hot dehulling process. After conditioning, the Fluid Bed is designed to pop soybean hulls and to reduce moisture of soybeans for efficient downstream oil extraction.

Economical design.

The straightforward design of the Fluid Bed OLHA supports easy start-up and uncomplicated operation. The rugged steel frame, stainless steel aspiration hoods, air inlet channel and product chamber guarantee a long service life. Full thermal insulation reduces heat loss and operating costs. The large access doors enable fast and easy maintenance. The Fluid Bed allows for throughput capacities up to 2,000 metric tons of soybeans per 24 hours per unit.

Mode of operation.

The incoming material is uniformly fed over the entire machine width by an airlock. Pulsating hot air is blown vertically through the product chamber (fluidizing effect), causing the soybean hulls to pop. The aspiration system removes moisture and particles. The internal conveying system simultaneously controls kernel heat exposure time and transfers the processed product to the discharge airlock. The sieve bottom in stainless steel comes in CONIDUR® design, facilitating the transport of the product and minimizing dust falling through the sieves.

Integrated dehulling processes.

The Fluid Bed is an integral part of the Buhler hot dehulling process. The best dehulling and preparation results will be achieved using the Buhler Conditioner, Crushing and Flaking systems.

Advantages:

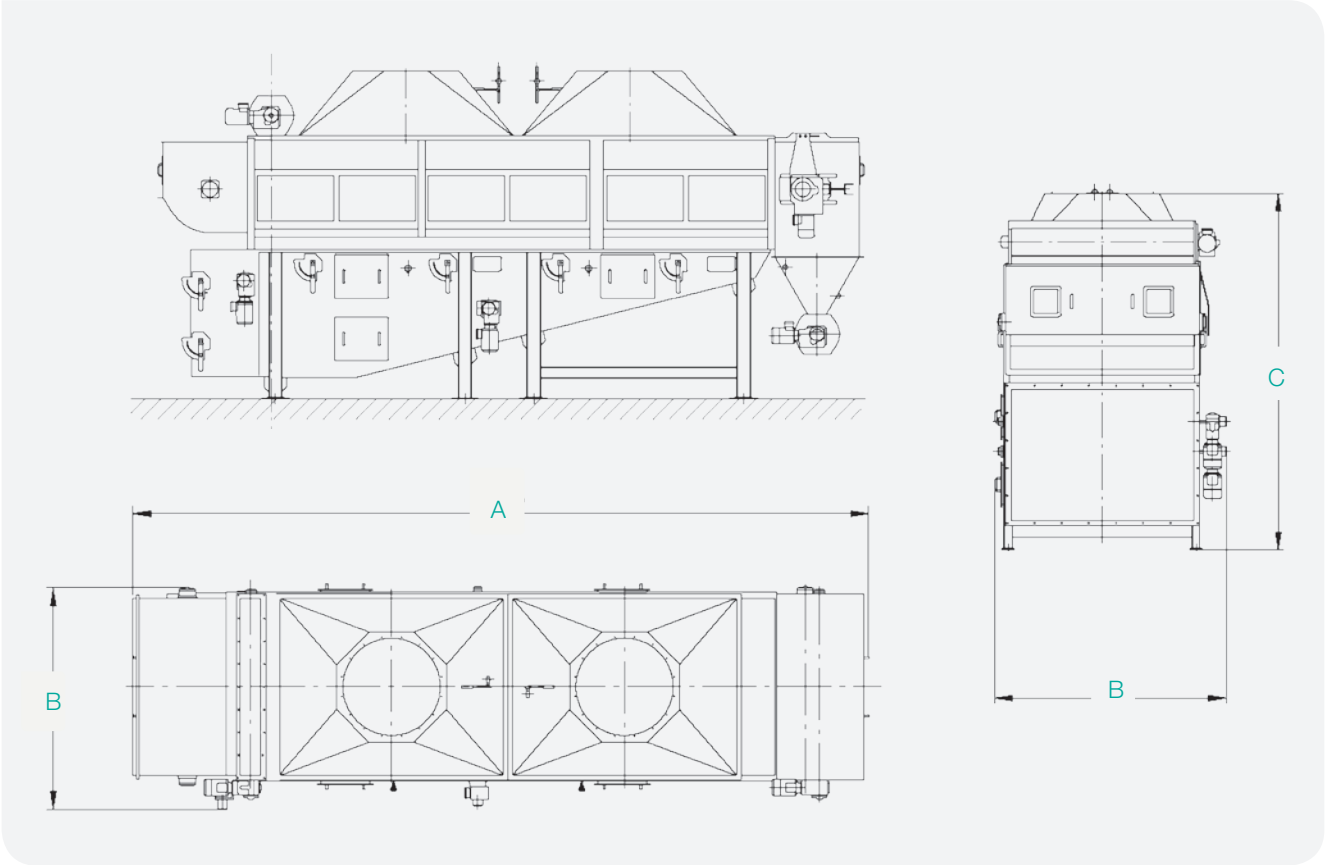
- Energy and cost efficient design
- Sieves and aspiration hoods made from stainless steel
- Easy maintenance thanks to large access windows

Innovative Thermal Shock Treatment.
Challenging Process - Simple Solution.

Technical data:

		OLHA, 9m²	OLHA, 12m²	OLHA, 15m²
Dimensions				
A	mm	7570	9390	11310
B	mm	2427	2427	2427
C	mm	3520	3520	3520
Power Main Drive	kW	0.55	0.55	0.55
Footprint				
net	m²	17	21	25
gross*	m²	31	39	47
Weights	net kg	5500	6500	7500

* Space needed to manipulate sieves.



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