

# HALDRUP LT-50

Laboratory Thresher



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## HALDRUP LT-50 STATIONARY THRESHER FOR OPERATION IN FIELD AND LAB

The HALDRUP LT-50 is a laboratory thresher for use with large bundles and whole plots, in the field as well as in the lab. Furthermore, work processes can be automated thanks to the machine's integrated PLC control.

The thresher is suitable for threshing, de-awing and cleaning of cereals, pulses, vegetable seeds, clover, grass, rice, and many other seed varieties.

The reliable technique allows for threshing with nearly no breakage, loss or mixing of grains. The continuous speed adjustment of wind and threshing drum allow for highest purity of crops as well as simple and quick adaption to various cultivated crops. Grains, chaff and stalk remains are dispatched through three separate outlets. Dust and chaff are collected in the dust and chaff bag located at the rear side of the machine.

The concave can be easily accessed by folding up the machine housing, the concave can be changed without the use of tools.

The quality-tested safety concept consists of two safety switches and an emergency-off button.

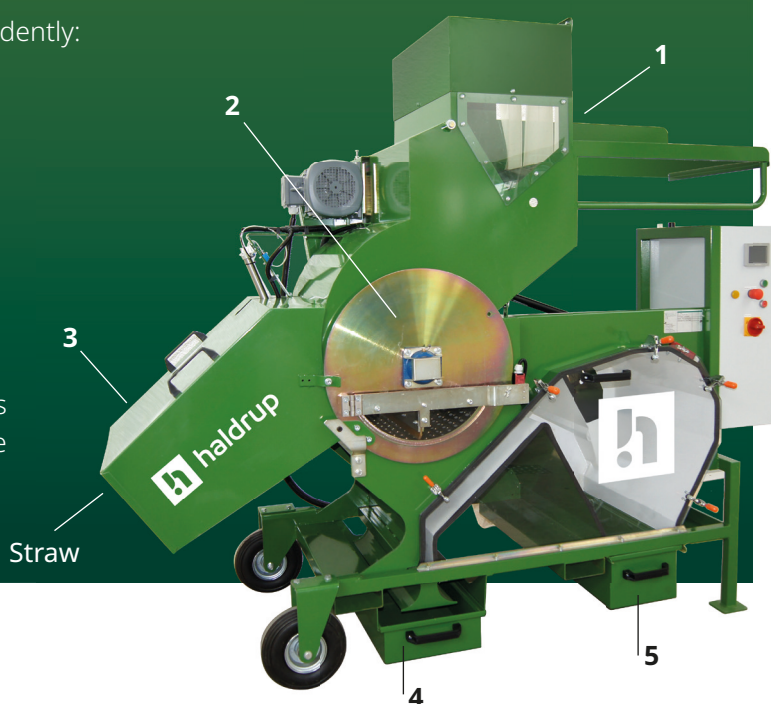
Thanks to its stable threshing drum, the LT-50 is also suitable for threshing corncobs and sunflowers.

The lab thresher's robust construction allows for operation in lab and field. All our machines can be built according to our customers' requirements and adapted to their specific needs.

The following steps are done by the LT-50 independently:

1. Opening and closing of the filling flap (time range can be adjusted individually).
2. The threshing time can be set individually.
3. The moment when the flap opens in order to drain stalk remains can be set individually.

A continuous work flow and high efficiency are possible when the machine is operated by two people. One operator continuously feeds the crops into the machine; the second operator empties the threshed seeds (box no. 4) and chaff (box no. 5) simultaneously.

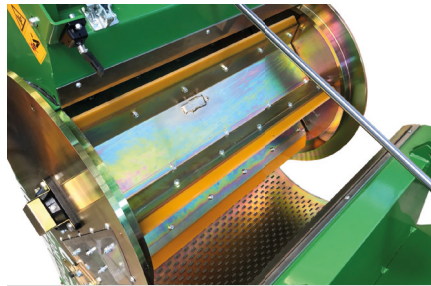


# HALDRUP LT-50 – PRODUCT FEATURES



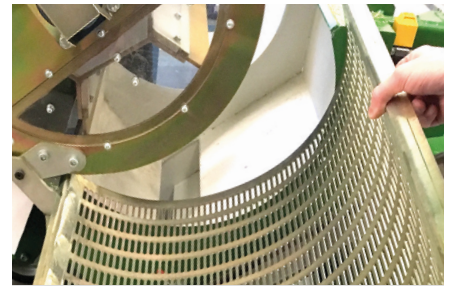
## EASIEST ADJUSTMENT

The threshing drum and wind speed can be adjusted via rotary knobs, including the LCD display to always ensure consistent precise settings. No adjustment e.g. of V-belts necessary.



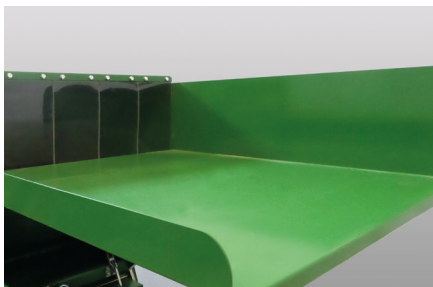
## HEAVY DUTY CONCAVES

The concaves, which are lasered out of steel and are treated, with a material thickness up to 5 mm, are particularly durable and therefore suitable for continuous use. Concaves with an elongated hole are also available.



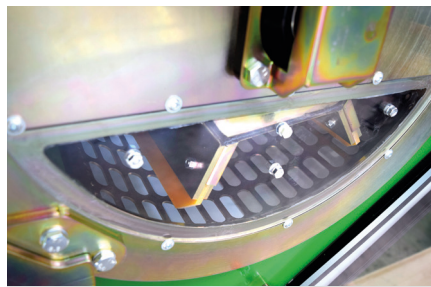
## QUICK CONCAVE CHANGE

Quick access to the concave by simply folding up the machine housing. The concave can be changed without the use of tools.



## EXTRA WIDE FEED TABLE

Extra wide feed table (640 mm) for large throughput. There are also different sizes of filler openings.



## LIGHT FOR THRESHING UNIT

Perfect insight into the threshing unit and the work process thanks to built-in LED high-performance lighting. For reliable and efficient quality testing.



## SELF-CLEANING FUNCTION

The threshing area is additionally cleaned by air nozzles.



## CHAFF BAG

Dust and chaff are collected in a cotton bag.

## OPTIONAL ACCESSORIES – SOME CAN BE RETROFITTED:

- ▶ Power generator
- ▶ Compressor
- ▶ Pendant
- ▶ LED lighting
- ▶ Self-cleaning function
- ▶ Suitable adapter for suction
- ▶ Matching extraction system in the program
- ▶ Filling opening in different sizes

## HALDRUP LT-50 – CONCAVES – available in 10 different sizes in the range

Concaves Sizes	Recommended use
3 mm	for fine seeds, such as flower seeds, grasses, clover, vegetable seeds and canola
4 mm	for seeds < 4 mm, such as flower seeds, grasses, clover, vegetable seeds but also sorghum and other special crops
6 mm	for canola, but also fine-grained cereals
10 mm	for most kinds of cereals and special crops with larger grain diameter
15 mm	for sunflowers and also for aize
18 mm	for sunflowers, maize and beans
20 mm	for large beans

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## ESSENTIAL PRODUCT BENEFITS:

- ▶ Currently 10 standard concave sizes in the range
- ▶ Custom-made concave sizes also possible
- ▶ We deliver the matching dedusting system for all HALDRUP laboratory machines as well as third-party devices, including a suitable adapter.



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