

MOBILE CLEANING FOR HARVESTED CROPS

Technology for professional grain cleaning.



**BULKGRAIN
CONVEYING
CLEANING
AERATING**

MOBILE CLEANING FOR HARVESTED CROPS

Combination of a cleaning screw conveyor and an air separator.

CanAgro introduces a new combination of a cleaning screw conveyor and an air separator with capacities of 35, 50 or 80 tonnes per hour. It quickly and effectively cleans grain and legumes of chaff, dust, as well as other fine and coarse impurities, and helps reduce DON levels.

EXCELLENT CLEANING RESULTS

This process achieves a high level of efficiency and excellent cleaning results.

The conveyed material is first transported through an inclined cleaning screw conveyor, approx. 4–6 metres in length (depending on model and capacity), across a 2.0–2.5 m screening area fitted with perforated plates (3–6 mm).

A range of perforated plate sizes is available to match the specific bulk material and ensure optimal cleaning performance.

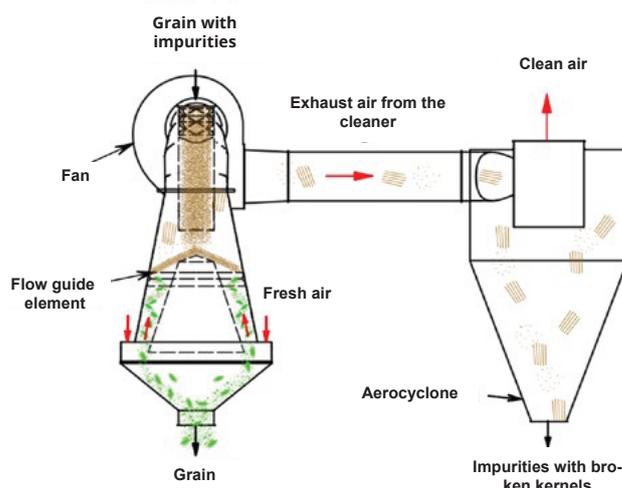
During this stage, dust, broken kernels and fine particles are removed by the cleaning screw conveyor—impurities that typically cannot be separated to this extent using air cleaners alone.



...AND OPERATIONS THAT WANT TO MARKET OR STORE HIGH-VALUE PRODUCTS

For further optimisation, the unit can also be equipped with a frequency inverter, allowing more precise control of the fan.

After the cleaning screw conveyor, the second stage features an air separator for extracting short straw, dust, husks,



and coarse impurities. Depending on the air setting, a proportion of shrivelled and broken kernels is also removed. The air volume is adjusted as standard via a manually operated air damper located between the air separator and the fan.



ZZ40 - Removal of chaff, husks and broken kernels at the air separator when processing approx. 3 tonnes of wheat

ALSO SUITABLE FOR ORGANIC FARMS...

Especially with coarse-grained bulk materials such as peas, beans, soybeans, lupins, and maize, cleaning via the screen deck is highly effective—even with high levels of weed contamination.



ZZ40 cleaning spring barley from organic production with very high impurity levels

This also applies to grain from organic production with high impurity levels, which can be almost completely removed via the screen deck.



Cleaning of peas



Cleaning of soybeans



TYPES

| Type/Model | Capacity t/h | Cleaning screw conveyor | | | | Air separator | | Adjustment | Chassis |
|------------|--------------|-------------------------|-------------|-------------------------|------------|---------------|-------------------------|-----------------------------------|---------|
| | | Ø in mm | Length in m | Length Screen deck in m | Drive (kW) | kW | Air ccm/ U ³ | | |
| ZZ40 | 35 | 200 | 4,00 | 2,00 | 2,20 | 2,20 | 2.500 | Air damper/ Frequency inverter | |
| ZZ60 | 50 | 220 | 4,50 | 2,00 | 4,00 | 5,50 | 4.900 | Air damper/ Frequency inverter | |
| ZZ80 | 80 | 250 | 5,00 | 2,50 | 5,50 | 7,50 | 6.700 | Air damper/ Frequency inverter | |



Click here to watch our product videos. Simply scan the QR code.



Further cleaning products

VIBRATORY CLEANER

Grain pre-cleaner with a vibrating screen for the removal and pre-cleaning of larger impurities such as stones, clods of soil, straw and ears from the incoming material.

TECHNICAL DATA

- ✔ No grain damage
- ✔ Reliability & efficiency
- ✔ Screen cleaning by rubber balls
- ✔ Various models and capacity levels from 15 t/h to 70 t/h



DOUBLE-SCREEN CLEANER

System for cleaning grain, fine seeds and oilseeds. All kernels that differ in size can be effectively separated.

The cleaner sorts the material into three fractions: undersize/dust, cleaned product, and oversize material.

Additional versions with capacities of 2 t/h and 4 t/h are currently in planning. Please contact us for more information!



TECHNICAL DATA

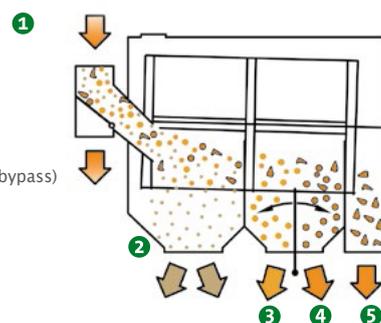
- ✔ Also suitable for cleaning fine seeds and oilseeds
- ✔ Designed for hourly capacities of 20 up to max. 1,500 kg/h, depending on the crop
- ✔ Compact machine
- ✔ Excellent value for money

DRUM CLEANER

TECHNICAL DATA

- ✔ Capacity: up to 260 t/h
- ✔ Interchangeable perforated screens
- ✔ Variable drum speed
- ✔ Manual adjustment of drum inclination
- ✔ Nylon brushes for screen cleaning

- 1 Uncleaned grain
- 2 Product discharge (bypass)
- 3 Coarse impurities
- 4 Cleaned product
- 5 Coarse impurities



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