

Dual Cleaners – KDC PLUS

Clean grain is essential for reducing toxins, improving storage, and increasing market value. The KDC PLUS includes an integrated aspirator for removing light impurities, while the standard KDC model offers the same screen-based cleaning performance without additional air separation.

KDC

The KDC is a dual-screen drum cleaner that efficiently sorts grain by size. The inner screen serves as a scalper to remove large particles, while the full outer screen area removes smaller fines to ensure clean, high-quality grain.

KDC PLUS

The KDC PLUS is a cleaner with a dual cleaning function that utilizes both screen and aspirator technology. The screens sort the grain by means of size, and the aspirator unit removes light impurities and dust by means of air for exceptional cleaning capability. Capacities are adjustable.



The bottom inlet is made of heavy stainless steel for weather resistance



Easy access for collection of grain samples after cleaning



Quick-release system makes it easy to change screens and prepare for the next crop



Cleaning brushes are mounted on a spring-loaded arm for efficient even load on the outer screens.

FEATURES AND BENEFITS:

- Effective size separation of grain kernels through two layers of screens.
- Quick-release system for easy and fast replacement of screens.
- Hinged doors for complete access to screens for easy screen replacement and visual inspection from either side.
- Large selection of screens for all common crops.
- Limited stress and wear of cleaner with rotative parts only, so no vibration is transmitted.
- All components exposed to the ambient are made in galvanized steel suited for outdoor installations.
- Wear spots are made in stainless steel.
- Dampers on the torque arm for gear drive reduce stress load on screen drum.
- Easy inspection during operation through multiple windows.
- Easy access for collection of grain samples after cleaning (KDC PLUS models).
- A vacuum inside the drum compartment limits the amount of dust (KDC PLUS models).
- Cleaning by aspiration after size screening for maximum removal of dust (KDC PLUS models).
- Easy adjustment of screen drum angle by use of crank handle (standard on KDC 8000 PLUS).

APPLICATION:



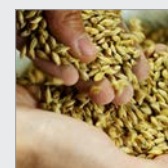
CROP SEPARATION

The two sizes of seeds are separated using screens with perforations adapted to the size of the seed kernels.



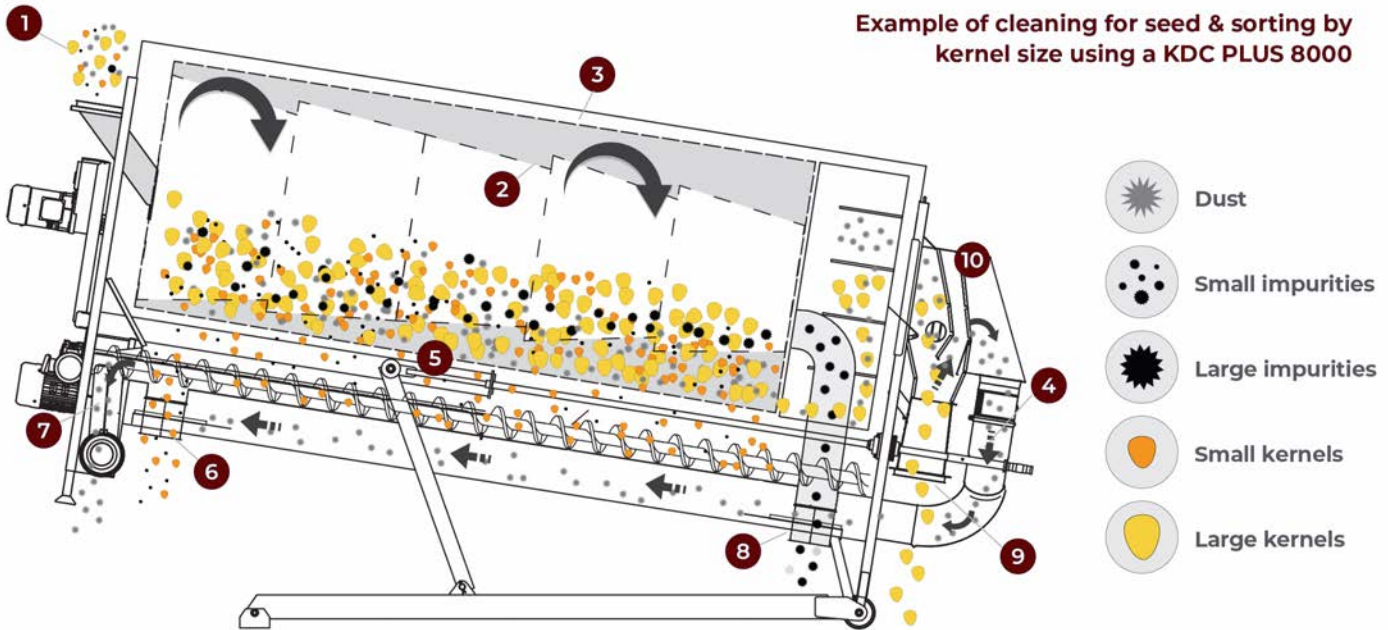
SEED CLEANING

A Kongskilde solution will help alleviate the problems with grain infected by fungicides or other unwanted remains sitting on the kernel surface.



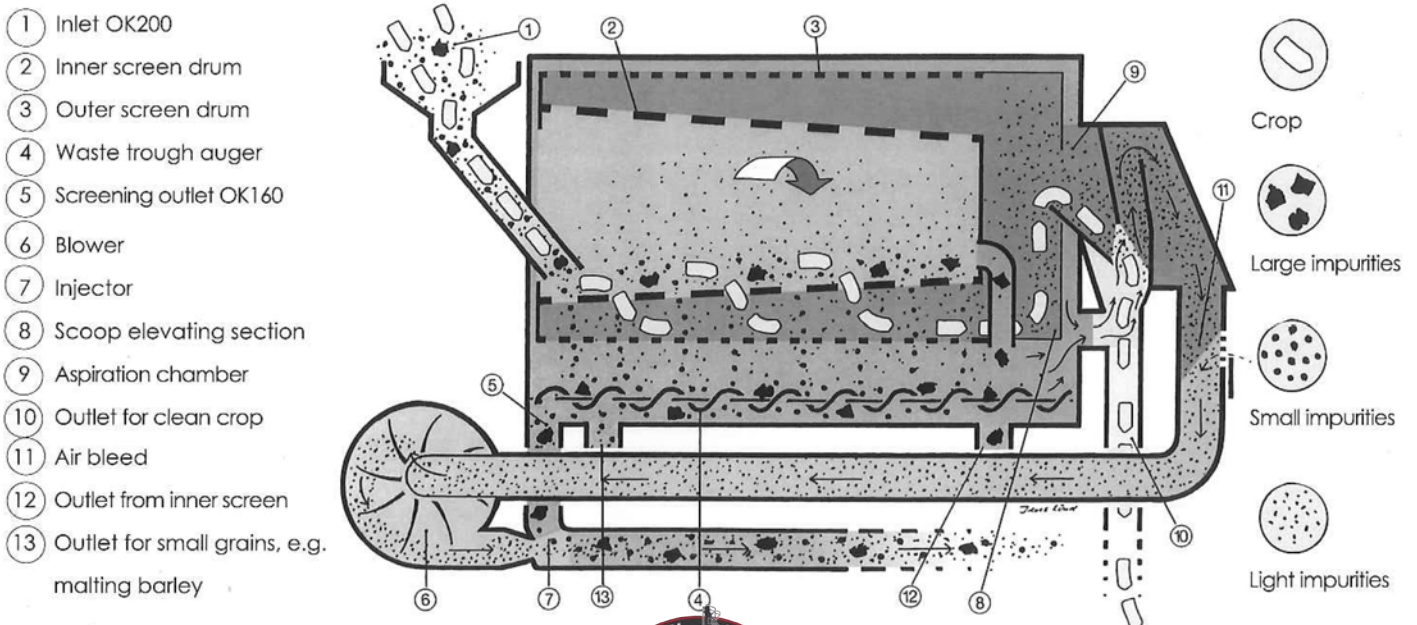
GRADING OF MALTING BARLEY

Grain is used for various products where the specification of the size of the single kernel is a demand criterion.



- 1** Grain inlet
- 2** Inner screen, exchangeable
- 3** Outer screen, exchangeable
- 4** Air bleed for air flow control in aspirator*
- 5** Auger for conveying of screenings**
- 6** Closable outer screen outlet for screenings / small kernels
- 7** Blower for aspirator*
- 8** Closable outlet from inner screen
- 9** Clean grain outlet
- 10** Aspirator chamber for dust separation*

PRINCIPLE OF FUNCTIONS



ACCESSORIES

- Wide assortment of standard screens for all common crops.
- Cleaning brushes clean the outer screens.
- Rain cover for motors and gear boxes.
- Wheel set for short distance transport between different locations.
- Optional bottom auger system.
- OK 200 pipe system and cyclone, connected to the outlet of the aspirator blower for conveying of trash and fines (KDC PLUS models).

SCREENS Kongskilde and North Valley offer a large assortment of screens for size separation of grain kernels.

*Capacity affected by grain type and condition, moisture, impurities, angling of KDC, selection of screens

TECHNICAL SPECIFICATIONS	KDC 4000 PLUS	KDC 8000 PLUS
Built in Aspirator	YES	YES
Max. Capacity Pre-Cleaning t/h*	40	80
Approx. Capacity Seed Cleaning t/h*	3-17	6-34
Approx. Capacity Malting Barley t/h*	3-17	6-34
Screen drum drive motor size kW (HP)	1.5 (2.0)	2.2 (3.0)
Screen drum RPM	21.9	23
Blower for aspirator motor size kW (HP)	4.0 (5)	4.0 (5)
Blower for aspirator motor. RPM	3450	3450
Auger drive motor size. kW (HP)	0.75 (1.5)	1.1 (1.5)
Auger drive motor RPM	3450	1800
Auger dive RPM	490	240
Inlet for crop	OK 200 (8")	FK 250 (10")
Outlet for cleaned crop	OK 200 (8")	FK 250 (10")
Conveying pipes for impurities	OK 200 (8")	OK 200 (8")
Pipe outlet from auger	OK 160 (6")	OK 200 (8")
Screen area inner drum m ²	4.1	7.5
Screen area outer drum m ²	6.5	10
Weight - Machine without screens - lbs. (kg)	1,962 (890)	3,141 (1,750)



KDC 8000 PLUS



ASPIRATION CLEANING

On the KDC PLUS, the aspirator unit is placed at the end of the cleaning system and is used to separate light impurities and dust from the grain.



SEE THE KONGSKILDE KDC DUAL CLEANER IN ACTION.

