



Akyurek Excell 51 is developed for grading of cereals and seeds.

1- Feed Roller width Built-in stirrer

- ensures by means of the stirrer that no product build-up
- has built-in spring loaded safety device.
- has feed gate which in combination with variable RPM control of the feed rate.

2- Pre- and After Suction System

- is built as separate systems to ensure a precise and independent air cleaning
- separates the light particles before the material reaches the sieves
- when the product leaves the cleaner via the air screen.

3- Screen Shoes of Birch Plywood

- are moisture and insect-resistant
- have a long lifetime because the birch plywood easily tolerates the vibration of the screen shoes.

4- Ball Box

- Ensures efficient cleaning of sieves by means of rubber balls
- is cast solid so that it prevents stuck seeds etc.(self-cleaning)

5- Air Lifting Unit

- is capable by means of staggered fans and air guides of giving a completely uniform air pressure from beneath the product when it leaves the cleaner
- With specially designed impellers ensuring low noise level - has stepless adjustment of RPM on the fans

6- Screw Conveyor for Light waste

- ensures continuous discharge of dust and light waste from the air system via screws
- with finger flaps to ensure optimal dust separation in the expansion chamber by preventing false air from entering into the chamber

7- Balanced Eccentric System

- is fitted with counter weights ensuring steady running
- is fitted with "heavy duty" bearings
- ensures maximum utilisation of the cleaning effect of the sieves owing to accurately attuned stroke and RPM.

8- Perforated Screens for all Purposes

- are available with round and long holes from 0,3 to 25,0mm
- are available in a standard size of: 800 mm (L) x 800 mm (B) = 0,64 m².

9- Air Lifting Sieve Screen

- serves to convey the product through the air flow to ensure elimination of light particles
- forces the product through under passage to turn its biggest surface against the air flow in order to obtain optimal separation
- is constructed with adjustable air lifting hood over the air lifting sieve, which ensures optimal collecting up of the discarded light particles
- is combined with air lifting hood, designed with inspection window in full width, in order to make the adjustment of the air volume easier.

Capacity: (at max. 15% moisture content)	
Wheat, rye, sorghum and malted barley	2-3 t/hr
Oats, maize and white rice	2-3 t/hr
Soya, peas, rape and green coffee	1-2 t/hr
Paddy rice	1-2 t/hr
Sunflower, roasted coffee and beet seed	1-2 t/hr
Rye grass and clover	1-2 t/hr
Dimensions:	
Machine height	2580 mm
Machine length	2800 mm
Machine width	1780 mm
Screen area:	
Layer 1 (over size screen)	1x(800x800mm) 0,64 m ²
Layer 2 (under size screen)	2x(800x800mm) 1,28 m ²
Layer 3 (under size screen)	2x(800x800mm) 1,28 m ²
Square outlet pipes:	
(Adapter to round available) a) from screens	150x150 mm
Motors: (standard):	
Feeder roller	0,55 kw
Discharge screw	0,37 kw
Fan top	3,0 kw
Fan bottom	1,1 kw
Sieve boat	1,1 kw
Air volume:	
Pre-and after suction	5000 m ³ /h
Total weight of cleaner:	
	1600 kg

Technical data can vary for certain of the above due to continued development, or a different machine composition.

This Akyurek cleaner can, in a few minutes, be converted to different cleaning programs, e.g.: Beans, lupin seed, Peanuts, Oats, wheat, Malted barley, Rye grass, Red fescue, Rape, peas, lentils Maize (in Seed processing for Maize different Screen Layouts are available)