

Seed Conditioning & Processing Global Solution Partner



AKYUREKEXCELL 228-1 SCREEN GRADER

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The Excell 228-1 designed for efficient grading of all cereals, seed grain, grass, garden seed, legumes, etc. It has a screen area of 21 meter square.

Vibratory product feeding system improves the air cleaning considerably as the product hits the pre-suction area uniformly. The system ensures optimal capacity utilisation of the machine and requires no cleaning in connection with changing products. Balanced eccentric desing of the machine is fitted with counter weights ensuring steady running. Unique design of the machine makes many different product flow possible according to the capacity, product, number of fractions etc...

Sieves for all purposes are available with round and slotted types with sizes from 0,3mm to 25,0 mm.

Sieves are available in standard size which can be used in more than %90 of the Akyurek Excell machines so number of needed sieves are reduced.

In-Take Hopper:

- Provides commodity storage for even and steady loading rate on Screen Cleaner deck for uniformed separation.
- Overload warning with Level Sensor.

Full-width Vibratory:

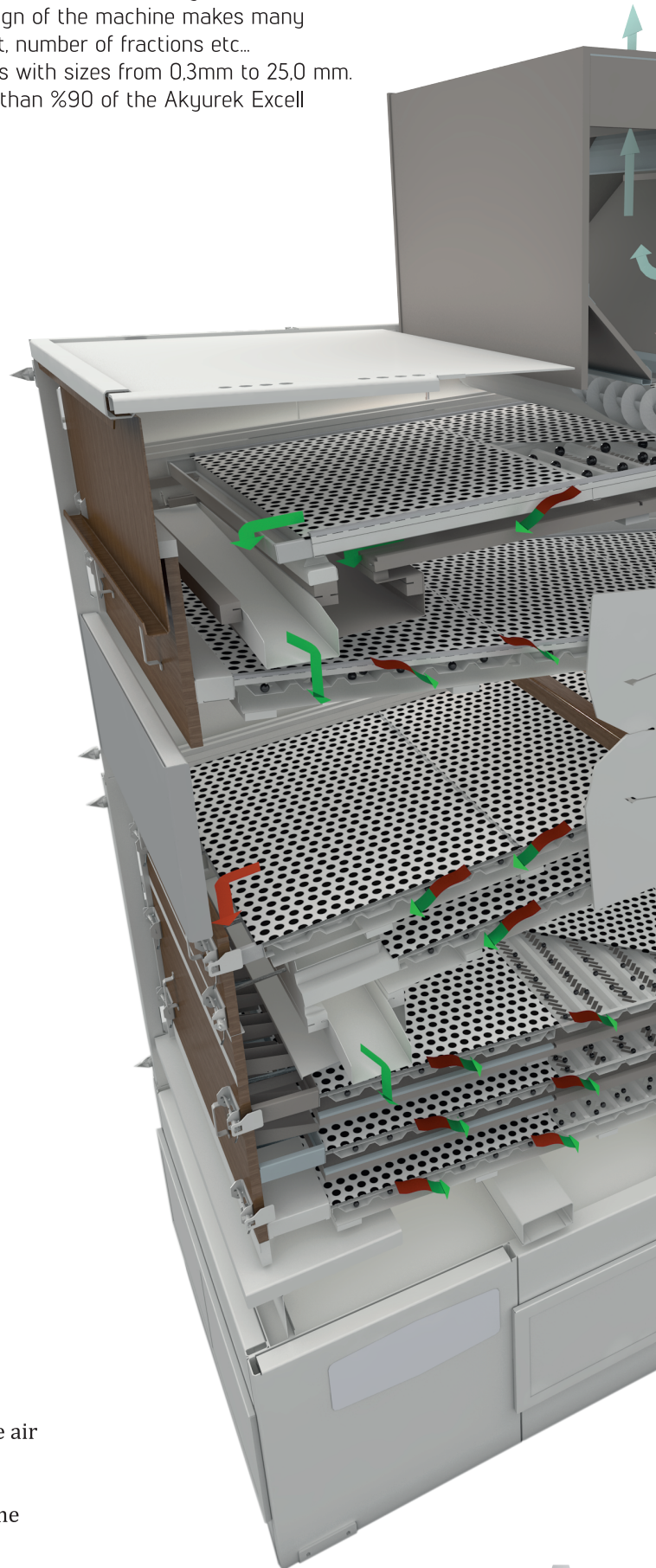
- Has steeples adjustment of the feed rate by an inverter.
- Separate control panel ensures a uniform flow over the entire width of the sieve
- Is self-cleaning.
- Improves the air cleaning considerably as the product hits the pre-suction area uniformly.
- Is careful to leguminous seeds, beet seeds etc.
- Ensures optimal capacity utilization of the machine.
- Has no down time due to choked up inlet.
- Requires no cleaning in connection with changing products.

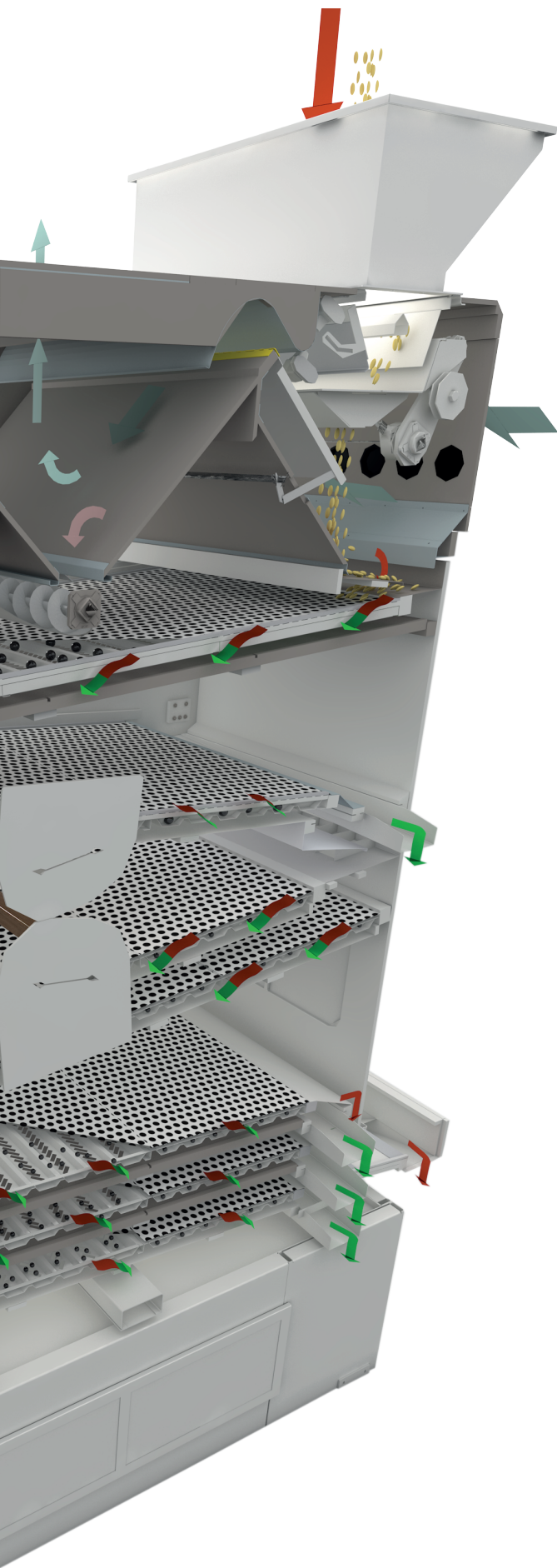
Inlet Aspiration (Optional):

- Suitable model Aspirator as per seed requirement.
- Is built as separate systems to ensure a precise and independent air cleaning.
- Separates the light particles before the material reaches the sieves.
- Improves the cleaning effect and results in a higher capacity.
- Has steeples adjustment of the feed rate by an inverter.
- Inspection window on Dust Chamber
- Air Pressure adjustment with internalgate
- Air Inlet windows.

Screw Conveyor for Light Waste:

- Ensures continuous discharge of dust and lighth 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 chameber.





Screenshoes of Birch Plywood:

- Are moisture and insect-resistant
- Are constructed with replaceable wear plates and sieve runners in exposed areas.
- Have a long lifetime because the birch plywood easily tolerates the vibrations of the screen shoes.
- Give less resonance owing to the birch plywood and thus a better working environment is obtained.

Ball Box:

- Ensures efficient cleaning of sieves by means of rubber balls.
- Can maintain the cleaning effect at extremely low temperatures as the rubber balls are cast in a very suitable material.
- Is cast solid so that it prevents stuck seeds etc. (self-cleaning).
- Is separately mounted in the screen shoes which ensures a quick change of sieves without removing the ball boxes.

Balanced Eccentric System:

- Is fitted with counter weights ensuring steady running.
- Involving minimum stress on buildings and steel structures.
- Is fitted with "heavy duty" bearings.
- Ensures maximum utilization of the cleaning effect of the sieves owing to accurately attuned stroke and RPM.

Change of Product Flow:

- Makes many different product flows possible according to the capacity, product, number of fractions etc.
- By means of 8 different diagrams in the cleaner ensures excellent purity and minimum waste.
- Is easily done by changing the size of the sieves and the position of the outlet trays.

Akyurek Excell Sieves for All Purpose:

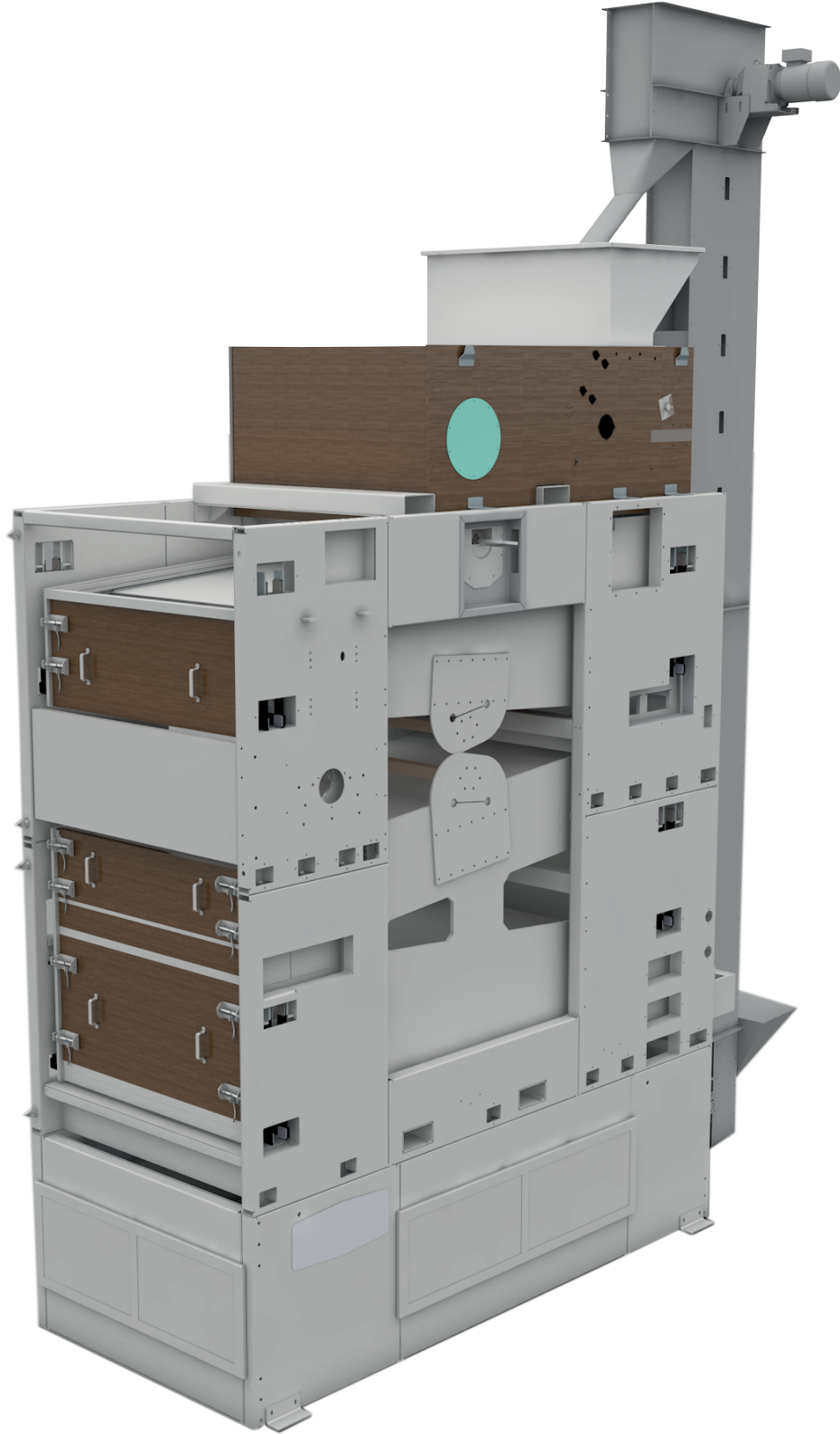
- Are available with round and long holes from 0,50 to 25,0 mm
- Are also available as wire mesh screens are also available as screen plates with very little tolerance which ensures a minimum cleaning loss.
- Are available in a standard size of 800 mm(L) x 1250 mm(w)=1m, which can be used in more than 80% of the Akyurek Excell program so the number of sieves needed is reduced.

Easy to operate:

- Because all adjustments are placed at a suitable height.
- Owing to adjustments with scales for quick and precise re-adjustment.
- Since all operating handles are placed on the same side as the outlets.
- Is a standard with outlets and adjustments placed on the right hand side seed from the inlet end.
- Is available in special left-hand design.



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