



MMCTECH

SEED PROCESSING MACHINE & EQUIPMENTS - AUTOMATION SOLUTIONS

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MMCTECH Seed Conditioning & Processing Global Solution Partner



AKYUREKEXCELL SUPER FINE SCREEN CLEANERS 200-210-220 SERIES

MMCTECH: Seed Machines & Equipment with Automation Solutions

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AKYUREK EXCELL 200 Series Super Fine Screen Cleaners

Akyurek Technology Excell 200 Series Super Fine Screen Cleaners separate dry, granular, free-flowing material according to particle characteristic of seeds by means of mechanic screening.

Made for ease of use, longevity and above all, accuracy, Akyurek Technology Excell Series Cleaners come in several sizes and varieties - so chances are, you'll find just the right equipment for your particular separation needs.

1. Full-width Vibratory

- has stepless 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 utilisation of the machine
- has no down time due to choked up inlet
- requires no cleaning in connection with changing products

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
- improves the cleaning effect and results in a higher capacity
- Ensures an excellent purity of the product due to the suction of light particles such as empty seeds, husks, dust etc. When the product leaves the cleaner via the air screen.

3. Change of Product Flow

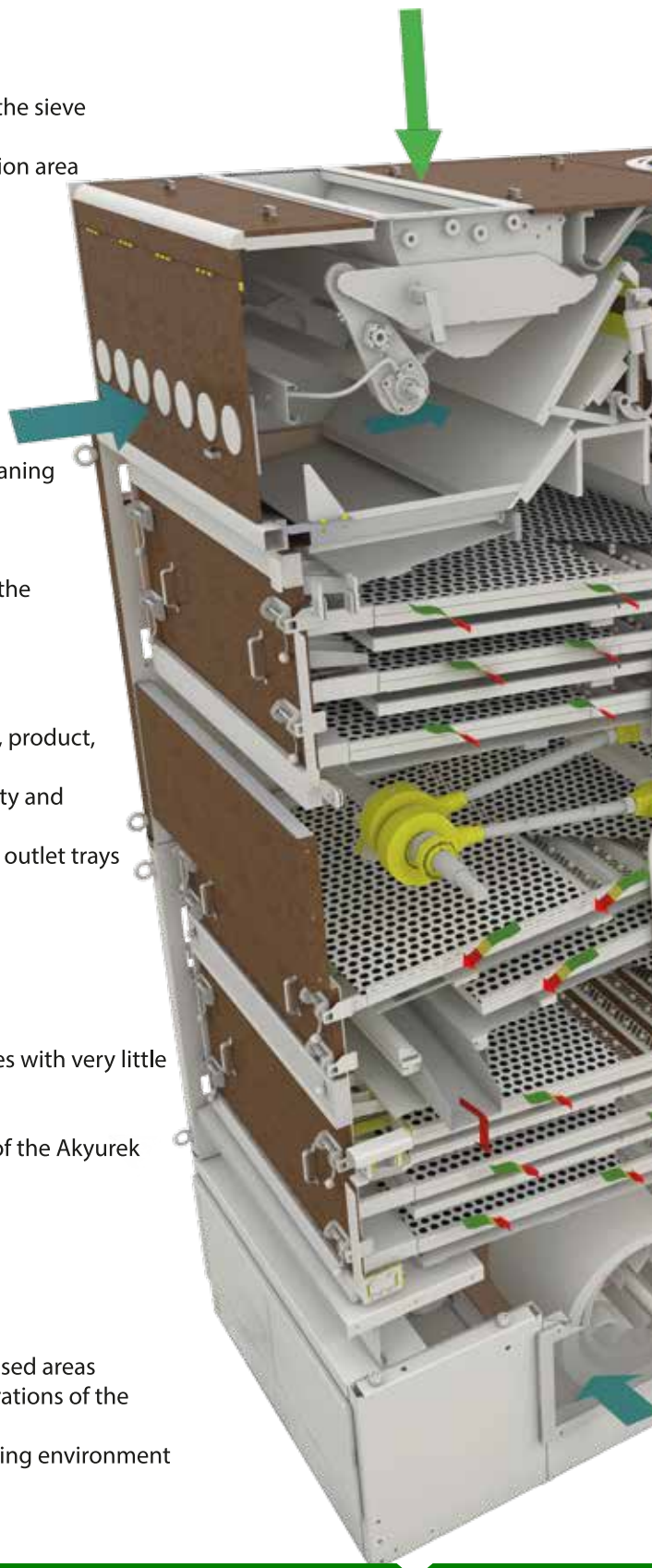
- makes many different product flows possible according to the capacity, product, number of fractions etc.
- by means of six different diagrams in the cleaner ensures excellent purity and minimum waste
- is easily done by changing the size of the sieves and the position of the outlet trays

4. Perforated Screens

- are available with round and long holes from 0,3 to 25,0mm
- 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 (B) = 1 m, which can be used in more than 80% of the Akyurek Excell program so the number of sieves needed is reduced

5. 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



6. 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 utilisation of the cleaning effect of the sieves owing to accurately attuned stroke and RPM

7. 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

8. Air Lifting Channel

- eliminates light seeds in the variable expansion chamber
- through which husks, dust etc. are led with the airflow to the after suction system.
- is available with an extra-large expansion chamber and centre outlet for special processes.

9. 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

10. 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.

11. 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
- ensures a complete blow through of the product which causes an elimination of light seeds, husks, straw and dust
- with specially designed impellers ensuring low noise level
- has stepless adjustment of RPM on the fans



AKYUREKEXCELL 200 SERIES MODELS



AkyurekExcell 200 Series Super Fine Screen Cleaners

The Excell 200 Series has the most advanced air system on the market. This series is suitable for cleaning of all kinds of grain and seed. Ideal for difficult separations.

AkyurekExcell 200 Series Super Fine Screen Cleaners								
Type	201	202	204	205	206	207	208	209
Screen Area m ²	0,96	3,0	7,0	10,0	15,0	18,0	24,0	33,0
Screen	Length cm	80	160	160	160	240	240	240
	Width cm	40	62,5	125	125	125	125	125
Num. of Screens	3	3	3,5	5	5	6	8	11
Counter Flow	1/1/1	1/1/1	0,5/1/1/1	2/1/2	2/1/2	2/1/3	3/2/3	4/3/4

Full-Width Vibratory	✓
Pre and After Suction System	✓
Change of Product Flow	✓
Perforated Screens	✓
Screenshoes of Birch Plywood	✓
Balanced Eccentric System	✓
Ball Box	✓
Air Lifting Channel	✓
Screw Conveyor for Light Waste	✓
Air Lifting Sieve Screen	✓
Air Lifting Unit	✓

AkyurekExcell 200 Series Fine Screen Cleaners



AkyurekExcell 210 Series Super Fine Screen Cleaners

The Excell 210 Series is similar in design to the 200 series, except it does not include the air lifting fans. This series is suitable for cleaning of grain and seed.

AkyurekExcell 210 Series Super Fine Screen Cleaners								
Type	211	212	214	215	216	217	218	219
Screen Area m ²	0,96	3,0	7,0	10,0	15,0	18,0	24,0	33,0
Screen	Length cm	80	160	160	160	240	240	240
	Width cm	40	62,5	125	125	125	125	125
Num. of Screens	3	3	3,5	5	5	6	8	11
Counter Flow	1/1/1	1/1/1	0,5/1/1/1	2/1/2	2/1/2	2/1/3	3/2/3	4/3/4

Full-Width Vibratory	✓
Pre and After Suction System	✓
Change of Product Flow	✓
Perforated Screens	✓
Screenshoes of Birch Plywood	✓
Balanced Eccentric System	✓
Ball Box	✓
Air Lifting Channel	✓
Screw Conveyor for Light Waste	✓
Air Lifting Sieve Screen	✓
Air Lifting Unit	

AkyurekExcell 210 Series Fine Screen Cleaners



AkyurekExcell 220 Series Screen Graders Machine

The Excell 220 Series is designed for a precise grading of grain and seed.

AkyurekExcell 220 Series Screen Graders Machine								
Type	221	222	224	225	226	227	228	229
Screen Area m ²	0,96	3,0	7,0	10,0	15,0	18,0	24,0	33,0
Screen	Length cm	80	160	160	160	240	240	240
	Width cm	40	62,5	125	125	125	125	125
Num. of Screens	3	3	3,5	5	5	6	8	11
Counter Flow	1/1/1	1/1/1	0,5/1/1/1	2/1/2	2/1/2	2/1/3	3/2/3	4/3/4

Full-Width Vibratory	✓
Pre and After Suction System	
Change of Product Flow	✓
Perforated Screens	✓
Screenshoes of Birch Plywood	✓
Balanced Eccentric System	✓
Ball Box	✓
Air Lifting Channel	
Screw Conveyor for Light Waste	
Air Lifting Sieve Screen	
Air Lifting Unit	

AkyurekExcell 220 Series Screen Graders Machine

VISUAL FROM PLANTS



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