

# Aerodynamic grain cleaner ERA

Aerodynamic grain cleaner ERA-5 is a modern grain cleaning machine designed for cleaning and calibration of grain material, preparation of seed. This machine will become an indispensable element in the system of any agrarian enterprise, where there is grain cleaning production.

The principle of aerodynamic separation, i.e. separation of grain material due to the effect of air flow on it, which is obtained due to the presence of a fan, rectifier and flow shaper in the machine. The separator separates the raw material into seven fractions: coarse (heavy) inclusions, high quality cleaned grain, small seeds and foreign inclusions. Under the influence of the air flow, all of this is transferred into various collectors and thus separates the quality grain from the impurities it contains.



## ERA-5

### SPECIFICATIONS

- Cleaning capacity, t/h - 5
- Calibration capacity, t/h - 2.5
- Power consumption, kW - 0,2-0,75
- Overall dimensions DxWxH, mm - 2000x500x1750
- Weight, kg - 130



## ERA-10

### SPECIFICATIONS

- Cleaning capacity, t/h - 10
- Calibration capacity, t/h - 5
- Power consumption, kW - 0,2-1,5
- Overall dimensions DxWxH, mm - 2200x1000x2200
- Weight, kg - 250

# Aerodynamic grain cleaner ERA



## ERA-30

### SPECIFICATIONS

- Cleaning capacity, t/h - 30
- Calibration capacity, t/h - 15
- Power consumption, kW - 4,4
- Overall dimensions DxWxH, mm - 2350x1210x2400
- Weight, kg - 770



## ERA-50

### SPECIFICATIONS

- Cleaning capacity, t/h - 50
- Calibration capacity, t/h - 25
- Power consumption, kW - 6
- Overall dimensions DxWxH, mm - 2350x1210x2400
- Weight, kg - 800

### Advantages of the grain cleaner:

- improved air stream former, which improves grain sorting
- high quality in seed preparation
- high quality grain cleaning
- energy saving;
- only reliable, proven components;
- easy and quick adjustment of the separator operation (due to frequency converter)
- included bag holders, wheels, dust bag

# Sieve grain cleaner USK-06



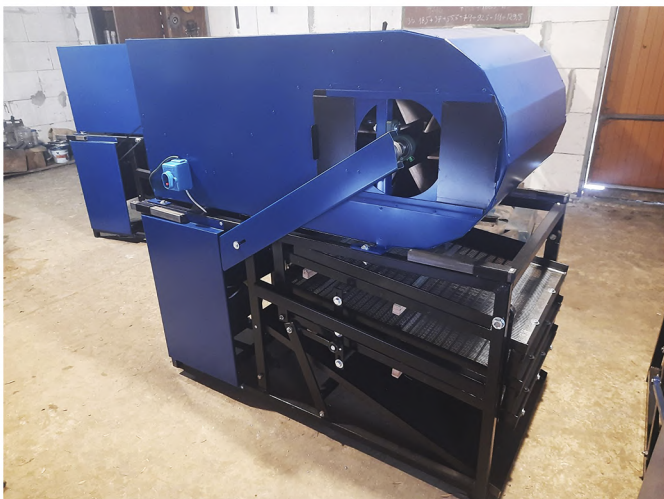
The grating grain cleaner is designed for efficient cleaning of grain from both coarse and fine impurities. Its versatility also lies in its ability to separate the grain into a variety of fractions. An air pre-cleaner is used, which effectively removes dust and light inclusions. The screen is cleaned with easily replaceable screens for easy maintenance.

The adaptability of the grain cleaner is reflected in the ability to install a variety of screens for different crops including wheat, oats, barley, corn, soybeans, sunflowers and others. The average capacity in grain cleaning is 600kg/hour (wheat as an example), which emphasises its efficiency and practicality.

Each movable joint of the grate and fan drive is equipped with reliable bearings, guaranteeing a long service life and reliable operation of the grain cleaner. Optimise your grain preparation process with our grate cleaner, which combines efficiency, reliability and ease of operation.

## CHARACTERISTICS

- Capacity, kg/h - 600
- Overall dimensions:
- Length, mm - 1220
- Width, mm - 720
- Height, mm - 1350
- Weight, kg - 135



# Sieve grain cleaner RS-7



The RS-7 universal complex air-sieve (flat-sieve) grain cleaning machine is designed for: preliminary, primary and secondary cleaning and calibration of cereals, legumes, oilseeds and industrial crops with different degrees of moisture and contamination.

The RS-7 Grain Cleaning Machine consists of an aspirator (air separator), a flat-sieve separator and a control panel.

Additionally, it can be equipped with a cyclone and air duct.

The principle of operation of the RS-7 separator makes it a multifunctional device!

The grain material passes through the aspiration system. The heaviest impurities that get into the aspiration chamber are deposited in the sedimentation chamber. After aspiration, the grain is fed to the sieve mill.

## SPECIFICATIONS

- Capacity:  
pre-cleaning, t/h - 7  
calibration, t/h - 5
- Sieve size, mm - 790×990
- Overall dimensions:  
length, mm - 1500  
width, mm - 1250  
height, mm - 2100
- Power consumption, kW - 3
- Weight, kg - 450



# Sieve grain cleaner BSH



Separators of grain cleaning mark BSH are designed for cleaning grain (wheat, rye, oats, etc.) from impurities differing from it by geometrical dimensions and aerodynamic properties. Separators are installed as a part of technological schemes at mills, elevators and groat mills.

Grain separators consist of the following units: bed, body with sieve frames, traverse with balancing mechanism, sedimentation chamber, fan, fan drive, pneumatic channel, screws, feeder, outlet trays, and fence. The body is suspended from the bed on flexible hangers.

BSX grain cleaners are available in various configurations, including aspiration chamber, cyclone, pre-cleaner and many other options. This allows our customers to choose the configuration that best suits their needs and production conditions.

## SPECIFICATIONS

CHARACTERISTIC	INDICATOR VALUE				
	BSH-12	BCH-25	BSH-40	BSH-50	BSH-80
Productivity is technical (for wheat with a moisture content of up to 15% and a content of clogged impurities up to 3%) - with preliminary cleaning (elevator mode) t/h - during final cleaning (mill mode)	12	25	40	50	80
Efficiency of cleaning from clogged impurities, %, not less: (for wheat with a moisture content of up to 15% and a content of clogged impurities up to 3%) - with preliminary cleaning; - during final cleaning	20	20	20	20	20
Installed power, kW, no more	1	1	1	1	2
Total air consumption, m <sup>3</sup> /hour, no more, including: - for pneumatic separation; - for aspiration of the body	600	4000	4000	8200	8500
Frequency of circular oscillations of the grating body, C-1 or (rpm)	5	5	5	5	6
Diameter of circular oscillations of the body, mm, no more	18±1	18±1	18±1	18±1	20±1
Overall dimensions of the separator without cyclone, mm, no more: - length - width - height	1530	1900	2457	1900	2457
Occupied area, m <sup>2</sup> , no more	1,6	2,5	3,2	4,7	6
Weight kg, no more	590	815	1015	1450	1583
Service life, years	8	8	8	8	8



# Gravity table WT

The WT gravity table is designed for sorting grain according to its specific weight, and it can be successfully used even for cleaning grain that has started to sprout. - The main applications of this device include:

The main applications of this device include:

- Separation of grains affected by diseases and insects from healthy grains.
- Separation of conditioned sunflower seeds from light, damaged and sclerotia seeds.
- Separation of various grain mixtures such as wheat-barley, wheat-rye, wheat-triticale, maize-sunflower and others.

Our gravity tables are highly reliable in operation and easy to adjust to different types of crops. Moreover, our gravity table can be used to effectively clean grain that has started to sprout due to poor storage or excessive moisture before harvesting.

## Vibrating table WT

	WT 0.3	WT 1.0	WT 1.5	WT 2.5	WT 5.0	WT 10.0
Capacity , t/h	0.3	1	1.5	2.5	5	10
Power, kW	1.12	5.15	5.50	10.3	14.7	20.1
Weight, kg	136	400	740	1060	1510	1800
Length, mm	1000	1900	1700	2150	2600	3100
Width, mm	850	1150	1520	1600	1800	2500
Height, mm	1240	1950	1350	1540	1650	2550



# Destoner KM

KM stone separators are used in the flour and food industries to create a variety of cereals, extract kernels from sunflower, pumpkin and other products. In addition to this, stone separators are used for sorting metal particles from plastic waste, separating metal elements from slag from metallurgical slag, and much more.

The principle of operation of stone separators is to separate the product into two fractions taking into account their specific weight. This makes it possible to isolate heavy impurities such as stones, glass, metal particles, etc., from purified products such as cereals, grains, plastic waste, metallurgical slags and so on.

<b>Destoner</b>			
	<b>KM 0.3</b>	<b>KM 1.6</b>	<b>KM 5.0</b>
<b>capacity, t/h</b>	<b>0.3</b>	<b>1</b>	<b>1.5</b>
<b>power, kW</b>	<b>1,87</b>	<b>5,5</b>	<b>9,2</b>
<b>weight, kg</b>	<b>120</b>	<b>500</b>	<b>950</b>
<b>length, mm</b>	<b>1000</b>	<b>2160</b>	<b>2500</b>
<b>width, mm</b>	<b>550</b>	<b>1100</b>	<b>1400</b>
<b>height, mm</b>	<b>1110</b>	<b>1350</b>	<b>1950</b>



# Seed treater PN

Innovative new generation seed dresser for pre-sowing treatment of cereal seeds. Ideal for today's agricultural needs. With its mobility, it provides efficient and precise application of the specialised liquid to the seed, ensuring a wide range of application rates. The unique ability to gently agitate the seed allows for even distribution of the seed dressing.

The advantage of the extended auger is increased dressing efficiency with simultaneous uniform coverage of each seed. The choice between manual and mechanised loading demonstrates the flexibility of using the unit under different conditions. And after treatment, the seeds can be discharged into either bags or big bags, providing convenience and ease of transport.

This seed treater not only improves the quality of seed treatment, but also facilitates the seed preparation process through integrated innovative solutions. Bring advanced technology to farming with our mobile seed treater and ensure a bountiful harvest without compromise.



## PN-3

### CHARACTERISTICS

- Capacity, t/h- 1-3
- Tank capacity, litres - 50
- Feed rate of the metering unit, l/min - 0.160-2
- Power, kW - 0,75
- Weight, kg - 80
- Discharge height, cm - 80
- Dimensions DxWxH, mm - 2000x800x1050



## PN-5

### CHARACTERISTICS

- Capacity, tonnes/hour - 1-5
- Tank capacity, litres - 50
- Power, kW - 1,1 / 1,5 (380V / 220V)
- Unloading height - 80, 165, 240 (for big bags)
- Weight, kg - 130
- Discharge height, cm - 80-240
- Dimensions DxWxH, mm - 2210x720x1380



# Flexible augers PSE

The spiral flexible auger finds its application in the transport of various bulk and granular materials such as grain, flour, pulses and many others. Its versatility is demonstrated by its ability to be used in confined spaces and on difficult paths.

The auger is available in two tube diameters, 90mm and 127mm, and its length ranges from 2 to 12 metres.

The elastic conveyor is capable of functioning in both horizontal and vertical positions, adding flexibility to its application.

The screw conveyor can be supplemented with a frequency converter for additional control of the spiral speed. This will provide the ability to precisely control performance, which promotes more efficient process control. Reliability, versatility and precision are what make our spiral flex screw the ideal choice for your conveying application.

Flexible screw conveyor		
	PSE-90	PSE-127
conveyor type	spiral, pulling	spiral, pulling
conveyor length	3000-11000	4000-12000
hose inner diameter	90 (102)	127
outer hose type	polyurethane	polyurethane
spiral outer diameter	69	95
spiral strip size	11,7*4,3	14*5
grain capacity	up to 3	up to 6
Engine	3m - 1,1 kW 4m - 1,1 kW 5m - 1,5 kW 6m - 1,5 kW 7m - 2,2 kW 8m - 2,2 kW 9m - 3,0 kW 10m - 3,0 kW 11m - 3,0 kW	4m - 1,5 kW 5m - 2,2 kW 6m - 2,2 kW 7m - 2,2 kW 8m - 3,0 kW 9m - 3,0 kW 10m - 3,0 kW 11m - 4,0 kW 12m - 4,0 kW
Voltage	380V (220V optional)	380V (220V optional)
operating temperature	-40°C +90°C	-40°C +90°C
warranty, months.	12	12

