



# PAM

## **INNOVATIVE** GRAIN CLEANING MACHINES GRAIN LOADERS AND FERTILIZER SPREADERS



Our factory of agricultural machines is the leading specialized factory for the production of machines for cleaning, post processing, transporting and moving grain, and also applying fertilizers. We have been producing agricultural machinery since 1999 and we are professionals in this field. Since 2018, we have been successfully cooperating with a German company, introducing advanced scientific developments and ensuring the release of agricultural machinery of the highest quality.

All manufactured equipment is certified for compliance with the requirements of existing European standards and is supplied to 21 countries around the world.

The plant has a strong production base, the most modern equipment, qualified personnel and a dealer network. The production is located in the city of Lubny in the Poltava region and in the village Kitaygorod, Dnipropetrovsk region. The total area of production areas is more than 37,000 square meters, and the territory exceeds 7 hectares.

The plant conducts active scientific and research activities in the field of agricultural machinery and has many patented developments. Successful combination of many years of experience, the most modern technologies and innovations allow us to produce unique high-quality agricultural machinery that works with maximum efficiency.

The agricultural machinery plant produces the most efficient and convenient machines for the successful development of agriculture throughout the world. To promote the development of agricultural business through the use of new innovative equipment - this is the mission of the plant. Our innovative technology is a tool that optimizes production processes in farms and agricultural companies of any size.

For success in the development of agricultural machinery, the farm machinery plant has received many awards and is recognized as the best producer of agricultural machinery in Ukraine. Our excellent technique, experience and professional support of partners is what will give you unique opportunities for business in agriculture.

We confidently look to the future and are looking for new partners Around the world.

### WHY WE



The plant is equipped with the most modern, mainly Swiss and German equipment



The production technology and the produced equipment comply with European standards



Our innovative machines have many advantages and work more efficiently



The high quality of our equipment is confirmed by certificates, award-winning and thousands of buyers

## MAIN PRINCIPLES OF OUR COMPANY

### 1 NEEDS AGRIBUSINESS - OUR MAIN A PRIORITY

Our task is to meet the needs of the modern market and bring agricultural machinery from the Ukraine to a new level. Agricultural machines that we produce are highly technological, reliable and easy to manage. Using our innovative agricultural machinery will allow you to optimize your work and increase the efficiency of your business.

### 2 PURSUIT HIGH QUALITY STANDARDS

The products of the agricultural machinery plant are created according to the highest international quality standards. Modern equipment, qualified specialists and the latest technological developments make it possible to produce agro machines of the highest quality. Our agricultural machines are reliable, environmentally friendly, efficient and convenient to use, which is confirmed by state tests and great demand for them in Ukraine, the European Union and other countries.

### 3 PARTNERSHIP

Our plant for the production of agricultural machinery successfully forms an international dealer network and builds effective mutually beneficial relations with partners in different countries. We work so that customers become our partners. The relationship with the customer does not end with the purchase of a farm machine. After the sale of equipment, we maintain relations and conduct after-sales service. As a result, many customers become our regular customers.

### 4 SEARCH FOR NEW SOLUTIONS AND WAYS DEVELOPMENT OF, DO NOT STOP ON THE ACHIEVED

Innovation is an important part of modern agricultural engineering. The production of the latest technology requires constant improvement of technologies and new developments. We constantly modernize the production process and create new models of agricultural machines with unique technical characteristics.

### 5 COMPETENCE AND RESPONSIBILITY

All our products are certified in the Ukraine and the European Union. The company produces the best innovative agricultural machinery and is responsible for each unit released.

## FACTORY OF AGRICULTURAL MACHINES IN FIGURES

# 12+

MORE THAN 12  
PATENTS FOR  
PRODUCED  
PRODUCTS

# 37K+

37000M<sup>2</sup>  
PRODUCTION  
AREAS

# 21

21 COUNTRIES ARE  
SUCCESSFULLY  
USING OUR  
MACHINERY

# 50+

MORE THAN 50  
AWARDS FOR  
QUALITY  
AND INNOVATION

# 7K+

MORE THAN 7000  
MANUFACTURED  
MACHINES

## CERTIFICATES





A grain thrower is an agricultural machine designed for quick loading of grain, ready for transport, forming, throwing over, and turning piles of grain in the elevators, grain warehouses, and grainbins. It is possible to clean grain of light impurities with the help of grain throwers.

Using grain throwers of our manufacture is more profitable and effective than auger-type grain loaders and others conventional grain transfer technologies. The drawbacks of an auger-type grain loader lie in crushing of grain when an auger is operated, having to be moved by hand, the distance of grain transfer is limited by the length of an auger and its capacity.

The use of the grainthrowers of our manufacture ensures the minimum grain crushing, they are self-propelled, the grain flying range reaches 25 meters while moving up to 170 tons per hour.

Our grain throwers are distinct from the vacuum grainloaders due to it consuming less electric while producing a higher performance



PZM-170B

PZM-170

We manufacture the best innovative models of grain throwers which are characterized by high performance, reliability, safety, maneuverability and usability.



Model	PZM-120M	PZM-120K	PZM-170	PZM-170B
Grain extraction sys	Chain elevator			Hopper and chain elevator
Type of drive	Electric			
Performance, t/h	up to 120		up to 170	
Range of grain flight, m	up to 25			
Height of grain flight, m	up to 9			
Mass, kg	1030	1010	1270	1380
Capacity, kw	11,55	11,55	13,55	13,55
Dimensions in effective position				
Height, mm	2620-4300	2350-3100	3050-4500	3050-4500
Length, mm	7000	5300	7000	7500
Width, mm	5800	5800	6000	2250

Thanks to the ability to quickly move, mobile grain cleaning machines and OBC complexes are simply indispensable for post-harvest processing. This is the best choice for agricultural cooperatives, large farms or companies specializing in the provision of services for cleaning grain and preparing seed.

With the help of this equipment, grain can be divided both by specific gravity due to the use of powerful air flow and by size using sieves with different cells.

Vacuum-mesh cleaner OBC-50 is a mobile hybrid of a grain cleaning machine and auger grain loader, demonstrating a high performance. Performs cleaning of grain material from fine impurities on sieves and light impurities using an aspiration system. It can even be towed by a car.

A more efficient sorting solution capable of separating up to three products at a time is the OBC-354MD and OBC-355M mobile grain cleaning complexes.

Mobile and flexible in the choice of crops for sorting, these machines can be equipped with a seed disinfecant and a weighing system.

To achieve high quality grain cleaning in these complexes, a rotary-type grain cleaning machine OBC-354 or OBC-355 is used, equipped with a powerful aspiration system and then a rotating cylinder containing from 3 to 5 successively located sieves. You can reject the flow passing through any sieve in the desired direction. This is necessary to configure the desired operating mode and grain processing.

Depending on the needs, the operator will be able to change the pattern of use: simple quick cleaning, calibration, high-precision calibration, separation of several crops seed between themselves and from impurities, seed dressing.

The OBC-354MD and OBC-355M mobile complexes are mounted on a car trailer and can be quickly moved. It takes only 10 minutes to set up from transportation to operation mode.

These are easy-to-use machines that have a very quick payback.



Model	OBC-50	OBC-354MD	OBC-355M
Type of energy source	Sieve screw	Noria bucket	Noria bucket
Type of drive	Electric		
Performance, t/h	up to 50	up to 35	up to 35
Air flow speed(wheat), m/s	4-14	11,4-17,6	11,4-17,6
Mass, kg	620	3000	3200
Capacity, kw	6,2	6,65	6,65
Dimensions in effective position			
Height, mm	3150	3950	3950
Length, mm	8200	6920	6920
Width, mm	2100	2500-3300	2500-3300



The use of self-propelled grain cleaning machines is several times more cost effective, compared with the use of fixed grain cleaning complexes because:

- the entire procedure of harvest handling is eased - there is no need to design and build fixed complexes, construct approaching lines to them, maintain additional transport vehicles, loading machinery, and personnel
- when using self-propelled grain cleaning machines, the cleaning is carried out directly in the grain warehouse, and in this connection, there is no need for transportation of the grain back and forward to the warehouse, and therefore reducing costs for loading, transportation and unloading
- self-propelled grain cleaning machines move along the warehouse by themselves and load themselves with unclean grain without the help of other machinery or people
- self-propelled grain cleaning machines can load grain into a truck or a trailer without the help of grain throwers, loaders, grain elevators, and other machinery

The capacity of our self-propelled grain cleaning and sorting machines is high; it reaches up to 25 tons per hour, which makes it possible to quickly clean a large amount of grain.

Self-propelled grain cleaning machines are used to clean of impurities ear-forming, cereal, leguminous crops, sorghum, sunflower, corn, flax, and oil seed rape. They may be used both indoors and outdoors of grain bins. They perform high-quality cleaning due to the use of screens, brushes, and regulated airflow.

The additional advantage of grain cleaning machines lies in the opportunity to dry grain simultaneously with its cleaning.

The use of self-propelled grain cleaning and sorting machine will be especially convenient for the farm enterprises having some grain warehouses or agricultural cooperatives.

The grain cleaning machine OBC-25 is a base model upon which the Agricultural Machinery Plant has developed a series of updated machinery with the additional advantageous operational characteristics.

The works on improvement are confirmed by a series of Ukrainian and International patents. The Agricultural Machinery Plant enjoys exclusive right to manufacture the grain cleaning machines OBC-25 as confirmed by Registration Certificate of the World Intellectual Property Organization No. 1064077 dated 28 December 2010.

The advanced models of agricultural self-propelled grain cleaning machines are provided with the additional functions. Thus, the grain cleaning machine OBC-25 is outfitted with a cyclone, thanks to which neither dust nor light impurities get into the air.

In the model OBC-25L, the height of unloading elevator is increased due to which it is able to load grain into a truck body or a trailer by itself. The model OBC-25A makes it possible to divide grain into a large number of fractions.

The grain sorting machine OBC-25MLA, which is completed with a cyclone and oblong unloading elevator, performs division of the grain material into a large number of fractions. It is easy to buy any of these self-propelled grain cleaning machines. Contact our Plant, choose a model, and you will receive machinery at an attractive price. The high quality and superior performance capabilities of self-propelled grain cleaning machines have earned many awards. Our Plant became a winner of the Grand Prix of the Quality Mark "The Highest Quality" the National Quality Award and earned an award "The Best Products of the Year" for their manufacturing.

The grain cleaning machine OBC-25 was recognized as the best goods of the year and took the lead in the Contest for the Best Products, Technology and Scientific Development for six years in succession.

The self-propelled grain cleaning machine will be suitable for manufacturers of agricultural products. You have an opportunity to purchase state-of-the-art high-technology grain cleaning machines. It is possible to buy any models of grain cleaning machines.

The machinery may be exported to any country of the world and competitively priced to wherever they are sent.

If you have made up your mind to buy a grain cleaning machine, please don't hesitate to contact us.



OBC-25L



OBC-25D



Model	OBC-25D	OBC-25L	OBC-25	OBC-25MLA
Aspiration dustextractor	Shutters	Cyclon		
Performance, tons per hour	up to 25			
Mass, kg	1923	1895	1935	1935
Capacity, kWt	8,95			
Type of clean	Triple			
Lighting	no	option	option	Yes
Additional safety system	no	option	option	Yes
Electricity consumption kWt/hour per 1 t	0,36			
Remote control	no	option	option	Yes
Bumper	no	option	option	Yes
Longer elevator	no	Yes	option	Yes
Dimensions in effective position:				
Height, mm	3300	3630	3500	3630
Length, mm	4800	5300	4800	5300
Width. mm	5900	5900	5300	5300



When using our innovative mobile grain cleaning complex OBC, it is possible to quickly rise to a new level of technologies, cut expenditures and payback period of the agricultural machinery by several times as well as considerably increase the cost effectiveness of the cultivation of agricultural products.

A procedure of grain transportation from the grain warehouse to the fixed grain cleaning complex and backwards is excluded by virtue of the use of the mobile grain cleaning complexes OBC. Consequently, there are no expenditures for loading, transportation, unloading, reloading, transportation and unloading, as well as for loading of grain into the Buyer's grain carrier if the grain is transported just after handling.

The mobile grain cleaning complexes OBC present a new multipurpose type of machine, which already successfully used in the agriculture. These machines appeared to replace fixed grain cleaning complexes.

When using a mobile complex, you ease the entire harvest handling procedure - there is no need to design and build fixed complexes, construct approaching lines to them, maintain additional transport vehicles, loading machinery, and personnel.

The mobile grain cleaning complex OBC is essential for post-harvest care by virtue of the possibility of high-speed movement. It can be successfully used in the elevators, warehouses, and the grain bins moving from one ground to another by itself.

The mobile grain cleaning complex makes it possible to carry out quick and quality cleaning of a heap of chaff and grain of leguminous, spiked, cereal crops, rice, sunflower, corn, sorghum, etc. When using this innovative machinery, you can separate grain both by specific gravity (due to the use of an intense airflow) and by size (using the screens and grids with different meshes). These multipurpose machines can perform mechanical turning, carry out partial grain drying both in the open grounds and in the grain warehouses. The mobile grain complex can also load grain into the motor trucks with any side height. The mobile grain cleaning complexes manufactured by the Agricultural Machinery Plant is distinguished by high performance ranging up to 70 tons per hour depending on the model of complex, type, moisture, and degree of impurity of the grain being cleaned.

Another essential advantage of the mobile grain cleaners OBC lies in the minimum electricity consumption equaling to 0.25 kWh per a ton of grain.

These high-technology multifunctional mobile machines are very practical and easy-to-work being easy-to-operate at that. They neither present complications when being put into operation nor the need of an expensive maintenance service.

The Agricultural Machinery Plant is manufacturing the innovative machinery having earned many awards for the perfect quality, reliability, high competitiveness, superior performance capability, and environmental friendliness. The Plant was awarded with the Certificate of Innovative Product International Contest "Green Impulse. Green Chamber Award" for manufacturing of the new mobile grain cleaners OBC – 70 M as the best engineering solution in the field of green economics.

The innovative mobile machines manufactured by the Plant are characterized by a high degree of environmental friendliness. There are no emissions of greenhouse gas, pollutants, and toxic substances emissions into the atmosphere during their operation. The effective closed-loop aspiration system mounted on the machinery makes it possible to use caught light impurities either at once as a fuel or as the raw materials for manufacturing of fuel briquettes.

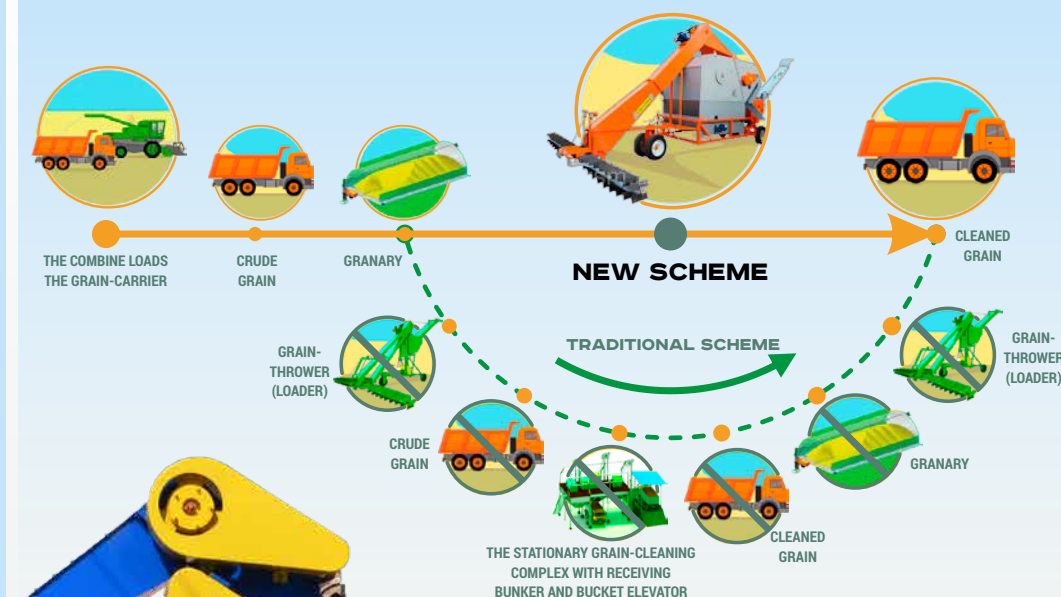
The mobile grain cleaning machinery will be an exclusively useful purchase. To buy a grain cleaner simultaneously functioning as a grain thrower and a grain loader will be profitably for the farm units, which cannot afford to have a great deal of the agricultural machinery. To buy the mobile grain cleaning complex OBC is also profitable for the enterprises having some threshing floors or grain warehouses in place.

The use of multipurpose mobile machinery manufactured by the Agricultural Machinery Plant will make it possible to perform cleaning and loading of a plenty of grain within a short time.

You have an opportunity to buy the mobile grain handling complex, the price of which is reasonable, and obtain the machinery, which is considered to be the best by its performance capability and reliability.

**Purchase the mobile grain cleaning complex at the Manufacturer's prices, use all of its advantages, and come up to the new level of technologies!**

## THE NEW SCHEME OF POSTHARVEST PROCESSING WITH THE USE OF THE MOBILE OBC-70M COMPLEXES



-  grain material
-  small heavy impurities
-  light impurities
-  large impurities
-  refined grains
-  air flow grains

Model	OBC-70M	OBC-70M2	OBC-70L3	OBC-70ML	OBC-70M3	OBC-70M4	OBC-70M4L
Type of drive	Electric						
Performance, t/h	up to 70						
Capacity, kw	18,15	18,7	15,7	18,15	19,7	20,07	20,07
Mass, kg	2545	2580	2295	2590	2550	2690	2799
Range of grain flight, m	up to 25		-	up to 25			
Max height of grain flight, m	up to 10		up to 2,55	up to 10			
Additional safety system	yes	yes	yes	yes	yes	yes	yes
Draving whell remote control	no	yes	yes	yes	yes	yes	yes
Additional cleaning system	no	no	yes	no	yes	yes	yes
Dimensions in effective position							
Height, mm	3600-4300	3650-4300	3650	3650-4300	3600-4300	3600-4300	3600-4300
Length, mm	9500	9500	8710	9500	9500	9500	9500
Width, mm	4900	4900	4900	4900	4900	4900	4900



We produce various models of stationary grain cleaning machines that are suitable for solving a variety of problems - from cleaning grain only from dust to high-quality grain separation into fractions. For cleaning garbage from dust and light impurities, cyclones, as well as AS-50 and AS-60 air separators, are suitable. A heap of chaff and grain is cleaned and assorted the most effectively, if a design of graincleaning machine combines two methods of grain cleaning:

- by aerodynamic properties using the ascending air
- by size using the screens or screen feeder

When using our fixed grain cleaning unit, the effective grain sorting takes place due to an excellent combination of these two methods in its design.

The airflow, which power is regulated in dependence on the type and variety of the grain being cleaned, passes through the grain. Consequently, the light impurities are caught and deposited in the air system of a grain cleaning unit.

The screens or screen feeder with different screen sizes are used to clean grain of the heavy, coarse, and fine impurities as well as to separate it by size. Three types of screens with round, slotted, and triangular holes are used in the grain cleaning machines of our manufacture.

The models are outfitted with a brush cleaner, which is important when the grain cleaning and sorting inasmuch as this makes it possible efficiently clean the grain of impurities and the screens of stuck particles.

A cyclone is successfully integrated into the grain cleaning machine OBC-25CC. The problem connected with cleaning of the air of dust and light impurities is compactly solved by virtue of such updating. The grain cleaning machine OBC-25CC characterized by compact sizes and high-quality grain cleaning will be excellently suitable for small farm enterprises.

The grain cleaning machine МПО-80М will be excellently suitable for the grain cleaning lines of medium-sized and large-scale farm enterprises.

To achieve high quality grain cleaning, an OBC-354 or OBC-355 rotary-type grain cleaning machine is also used, equipped with a powerful aspiration system and then a rotating cylinder containing from 3 to 5 successively located sieves. You can reject the flow passing through any sieve in the desired direction. This is necessary to configure the desired operating mode and grain processing. Depending on the needs, the operator will be able to change the pattern of use: simple quick cleaning, calibration, high-precision calibration, separation of the seed of several crops between themselves and from impurities, seed dressing.



Multifunctional grain cleaners OBC-355



Air separator AS-60



CYCLONE



OBC-25C



OBC-25CC



Pre-cleaning machine PCM-80



3BC-20A

Model	OBC-355	OBC-25C	OBC-25CC	PCM-80M	3BC-20A
Dust extraction system	yes	yes	yes + cyclone	yes	yes
Type of drive	Electric				
Performance, t/h	up to 35	up to 25	up to 25	up to 80	up to 60
Mass, kg	1100	1010	1055	1080	1805
Capacity, kw	4,4	4	4	6,05	7,7
Dimensions in effective position					
Height, mm	2300	2500	3150	3285	2745
Length, mm	4600	2860	3200	2850	3070
Width, mm	1300	1765	1765	1850	2030

Spreaders fertilizer BIM - effective on the field and safe on the road. To obtain a good harvest, it is necessary to ensure the proper mineral nutrition of plants. To do this, you need to choose the right spreader of mineral fertilizers. The most important thing when choosing a fertilizer spreader is the accuracy of applying fertilizers. Modern fertilizers are expensive. Using fertilizer spreaders BIM of our production, you will ensure a uniform application of fertilizers. If you have a small farm, you can use the mounted spreaders BIM. And in the trailed variant a tractor will be able to handle a 11000 liters bunker on a cart.

The main advantages of BIM fertilizer spreaders are:

- high accuracy of fertilizer application
- the production is carried out jointly with the German company mainly from German components under the supervision of German specialists
- large selection of additional functions and complete sets
- comfort and reliability thanks to a simple and easily accessible adjustment of the application rate and the working width
- careful filling, feeding and ejection of pellets, which allows you to save fertilizers and guarantees income
- all parts of the fertilizer distribution system are made of stainless steel
- maintenance-free, reliable gearbox
- the volume of the hopper is easy to increase due to the nozzles
- simple convenient operation and maintenance

The electronic regulation system (on some models) controls all the operating characteristics of the device and facilitates the work of the driver of the tractor. Compliance with traffic safety requirements on public roads: the spreader has large warning signs, lighting, bumper and protective aprons, preventing dirt from entering the distribution system.

Sturdy construction and highest quality workmanship.

Working with modern fertilizer spreaders BIM is easy and convenient. Contact us and we will help you to choose a fertilizer spreader, ideal for your farm.



Model	BIM 1500	BIM 2500	BIM T 2500	BIM T 3000	BIM TT 4000	BIM GKE 5000	BIM GKE 7000	BIM GKE 10000
Machine type	Hanged			Trailed				
Hopper Capacity (L)	1500	2500	2500	3000	4000	5000	7000	10000
Working Width (m)	10-36					12-36		
PTO Rotation, (rpm)	540					1000		
Total Weight (kg)	408	440	810	950	1320	2800	4140	4350
Dimensions in effective position								
Height, mm	1445	1585	2510	2850	3150	2500	2900	3350
Length, mm	1300	1300	2660	2660	3300	5540	7200	7200
Width, mm	2275	2495	2450	2450	2450	2380	2380	2380

Many countries of the world  
are already successfully using  
the technology of our production.

Join and take your business  
to the next level!



<https://bim-agritech.com>  
<https://zsm.uaprom.net>



Zavodselhozmashin



ZSMBIM



ZSMBIM

## Plant of Agricultural Machines

12b Tsentralnaia Str., Kitaygorod,  
Dnipropetrovsk region, 51030, Ukraine

167 Vladimirskiy Av., Lubny,  
Poltava region, 37500, Ukraine



+380 99 5697707  
+380 97 8697707  
+380 50 4201033