



SUNFLOROMASH
СІЛЬГОСПТЕХНІКА ЄВРОПЕЙСЬКОЇ ЯКОСТІ



SUNFLOWER HEADER «SUNFLORO SHAFT»

Commercial offer

2024

SUNFLOROMASH.COM

About us



Who we are?

SunfloroMash Machine-Building Plant is Ukraine's leader in the development and manufacture of European-quality agricultural machinery for harvesting and auxiliary processes in agricultural production.



About us in figures

Production experience
since 2010

Production area
4000 sq.m

Number of employees
100 people

Product range
**30 basic models of equipment
and 300 items of spare parts**

Dealer network
**20 dealers in Ukraine and
Europe**

Customers
**more than 1,000 satisfied
customers**





Intended purpose

«Sunfloro Shaft» header



The «Sunfloro Shaft» sunflower header is an improved model of a solid-cut header designed for harvesting sunflower in severe conditions. Thanks to the increased length and width of the crop lifters and the presence of a pulling shaft, the header allows harvesting confectionery small-head sunflower seeds as well as fallen sunflower heads. The model features simple design, high reliability and performance at an affordable price. The technical solutions used allow harvesting sunflower in any direction and with different row spacing. Sunfloro Shaft headers guarantee a clean harvest due to 100 % cutting of sunflower heads with a minimum amount of leafy material. Sunfloro Shaft headers are the benchmark for reliability and quality in the international agricultural machinery market.

The «Sunfloro Shaft» header can be adapted to any model of combine harvesters of domestic and foreign manufacturers.





Design description



The «Sunfloro Shaft» header is a prefabricated structure based on a platform frame to which the pulling shaft, cutting device, reel, auger, fender plates and a planetary cutting device drive are fixed. The header is driven by a propeller shaft from the combine PTO to the drive shafts, from which rotation is transmitted through chain drives and overload clutches to the auger shaft on the left and the reel shaft on the right.

The cutter device is driven by a planetary gearbox (MBD) through a V-belt transmission independently of the left drive shaft of the header, which converts the rotational motion into reciprocating motion. The pulling shaft is driven by a chain drive from the reel shaft on the right side of the header.

The header is adapted to the combine by means of a transition frame with an additional adjustment of approach angle.





Operation description



As the header moves across the field, the pointed ends of the crop lifters accurately separate the crop into rows regardless of the combine direction. The original prismatic shape allows them to easily penetrate the crop and separate it while maintaining the vertical position of the stalks.

Elongated and widened crop lifters in the form of pallets minimize the loss of sunflower with small heads. Thanks to a carefully selected inclination of crop lifters, the heads fall to the bottom of the header. The adjustable width between adjacent lifters allows harvesting sunflowers of any size, including confectionery varieties with small heads.

The sunflower stalks are then pulled down and combed by the toothed shaft combs. This way, only the sunflower heads are cut, while leaves, stalks and weeds remain uncut on the ground. This ensures proper separation and cleanliness of the grain in the combine tanker.

The fender shield moves the heads forward, preventing them from being cut prematurely, while stopping them from returning to the crop lifters and throwing the cut heads away. The top of the reel is protected by a mesh screen that prevents seeds and heads from flying out of the header.

The cut heads are picked up by the reel and pushed into the auger area. To prevent clogging of the cut crop between the cutter bar segments and the lifters, the reel blades have adjustable fingers that push the crop into the auger area.

The cut crop is fed by the auger to the center of the header, from where it is thrown into the crop feed elevator of the combine by pushers. The design of the pushers ensures continuous feeding of the crop, preventing the seeds from being threshed out of the heads directly in the header, and keeps the crop from being retained in the header. The crop feed elevator of the combine is located at a distance from the header auger that guarantees continuous intake of the crop.

The entire process is performed regardless of the harvesting conditions and the number of rows, while ensuring high grain purity and minimum wear of the header elements.





Design **benefits**



Increased length and width of the crop lifters

Due to the increased length and width of the crop lifters, the header allows harvesting sunflower seeds with small heads. The pallet-like shape of the crop lifters allows collecting seeds that have fallen out of the heads together with the fallen heads. Due to the inclination of the crop lifters (5° to the horizon at the nominal position of the header), the stalks fall to the bottom of the header.



Efficient cutting device

The use of simplified and efficient drive and cutting system components minimizes wear and tear on parts and reduces maintenance time.



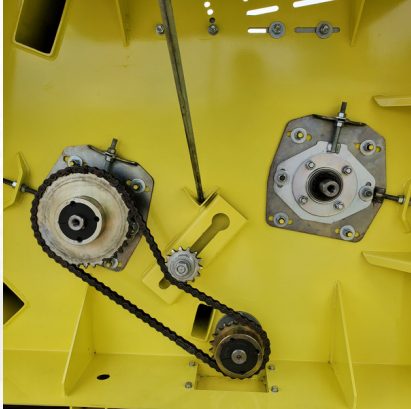
Planetary drive of the cutter device

The planetary gearbox (MBD) improves the quality of the cut due to the increased frequency of movement of the cutter device blades. The planetary gearbox is significantly lighter than the MSC blade drive, which reduces the weight of the device and vibrations during operation.





Design **benefits**



Easy maintenance

The header drive has a simple system of adjustments that can be performed by the operator before going to the field or directly in the field.



Toothed pulling shaft

Increases the performance of the header compared to models without a pulling shaft. The pulling shaft allows capturing only the sunflower heads, while leaves, stalks and weeds remain uncut on the ground.



Adjustable distance between the lifters

Due to the adjustable distance between the guides, the header can be used to harvest sunflower with different head sizes depending on the variety.





Specifications

Parameters	Sunfloro Shaft 6	Sunfloro Shaft 7.4	Sunfloro Shaft 9.2
Cutting width	6 m (as 9 rows)	7,4 m (as 11 rows)	9,2 m (as 13 rows)
Crop lifter width	240 mm	240 mm	240 mm
Crop lifter length	1870 mm	1870 mm	1870 mm
Зазор між стеблопідіймачами	25-65 mm	25-65 mm	25-65 mm
Cutterbar double stroke count	640-850 per minute	640-850 per minute	640-850 per minute
Header weight w/o attachment frame	1995 кг	2530 кг	2825 кг
Overall dimensions, LxWxH	2700x6350x1135 mm	2700x7750x1135 mm	2700x9450x1135 mm

The header can be adapted to all known brands of domestic and foreign combine harvesters.





Terms of delivery and warranty



We provide delivery services to your farm or you may pick up the order from our factory at the address:
Ukraine, Dnipro, 2 Oleksandra Otsupa Str.



The warranty for the device is valid for 2 years (5 years for the frame) from the date of sale.



The form and terms of payment are determined in the purchase contract.

The price of the device is calculated individually, depending on the cutting width of the header and the selected configuration

Scope of delivery

- «Sunfloro Shaft» sunflower header assembly
- Mounting kit for attachment to the combine
- Operator's manual
- Product data sheet
- Warranty card





Our contacts

To order the «Sunfloro Shaft» sunflower header, please contact us using the contacts information provided.



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