

BLUEBERRY HARVESTER OSKAR 4WD Plus



OSKAR 4WD PLUS



SMART BERRY FARMING

Over 30 years, JAGODA JPS is a leading designer & manufacturer of berry fruits harvesters

JAGODA JPS BERRY HARVESTERS

A LONG LEGACY OF ACCUMULATED EXPERIENCE

The high experience of JAGODA JPS started in 1980 by three engineers (JPS: Jaworski, Placek & Szafranski) who were previously working together in the Experimental Horticulture Mechanization Institute in Skierniewice, the capital of fruit science in Poland. They were among the first constructors and manufacturers of the first berry harvester in Europe KPS-3. JAGODA JPS was established since 1997 as a continuation of traditions of Experimental Mechanization Plant of Horticulture at the Institute.



INNOVATION & CONSTANT IMPROVEMENT

Over the years the company assortment has been constantly developing by offering different models to fit the demand of our customers. The harvesters have been constantly improved and refined as the modular design allows adjusting machines to customer needs. The European fruit growers are considered our harvesters a benchmark of quality, innovation and performance.

WARRANTY: We provide 2-year professional guaranty and post-guaranty support, We manage and distribute original spare parts all over the world in order to guarantee total reliability



OSKAR 4WD PLUS

- Multi-Berry Harvester: Blueberries, Raspberries and others.
- Varieties: Duke, Legacy, Northstar and others.
- 2 systems for fruit retention (brushes & cross-conveyor)
- High picking tunnel
- Multiple configurations of storage fruits
- Four-wheels hydraulic drive
- Air-conditioned operator's cabin
- Engine certified stage V (ECO) with low fuel consumption
- Picking high quality fruits with affective fruit cleaning system

NEW



Specification

Type of Harvester	Self-propelled/4-wheel hydro drive
No of Row	1
Shaking fruits Head	2 x (Type: 920)
Harvesting Speed	0.5 - 2 km/h / 0.31 - 1.25 mph
Transport Speed	20 km/h // 12.5 mph
Harvest Output	Up to 0.5 ha/h // Up to 1.24 ac/h
Harvest Accuracy	Up to 95%
Impurities %	< 1%
Staff Required	Operator + 2
Overcoming the hills	Paved Road:15° // Plantation: 12°

Engine

Engine -Norm Emission 74 HP (ECO)/Doosan Stage V

Dimensions

Dry Weight	5,500 Kg/11,023 lbs
Working Height	3,9 m/12,80 ft
Shipment Height	3,9 m/12,80 ft
Working Length	6,10 m/20ft
Shipment Length	4,97 m/16,30 ft
Working Width	3,8 m - 4,6 m/ 12.46 ft – 15,10 ft
Shipment Width	3,00 m/ 9,84 ft
Fruits Collection/Tons	2- 2.5 Tonnes

Video

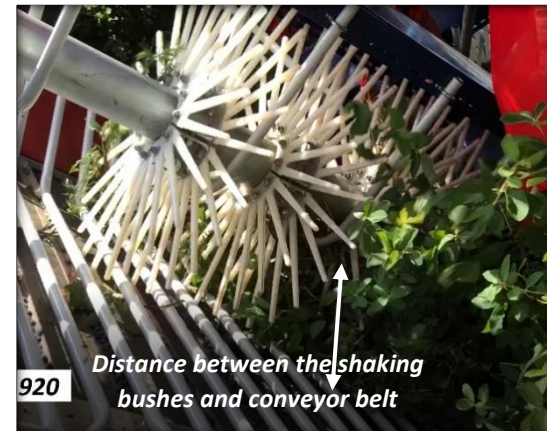


SELF-PROPELLED BLUEBERRY HARVESTER OSKAR 4WD

Why OSKAR 4WD Plus is characterized by high quality workmanship and a modular construction that allows to complete the machine according to the customer's needs

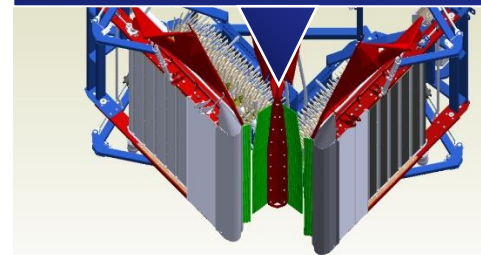
1. HIGH QUALITY FRUITS:

- ✓ Collecting fruits from the low shrubs thanks to new configuration of the innovative shaker head 920 that allows to adjust hydraulically the shaking angle and tilt regulation allows to customize shaking off the high and low shrubs, and consequently the collection of other varieties of berries, including raspberries fruiting on one-year shrubs.
- ✓ Innovative shaking head 920 guarantee quite an operation and is much more gentle for shrubs than standard shaking heads by changing the shaking force of the rotating weight that can be used for different berry fruits.
- ✓ Additional catcher brushes system (Fig 2)
- ✓ Thanks to the design that ensure the quality of fruits is for fresh market without internal or external damage due to short distance less than 10 cm/ 0.32 ft between the bushes and conveyor belt.
- ✓ JAGODA JPS offers additional catcher system in OSKAR 4WD Plus for blueberries and raspberries for optimum fruit retention.
- ✓ We developed a new hang unit regulated vertically and forced gap adjustment (hinged type) between the gutters of the left transverse conveyor and the right one



Catcher System Is Available in -OSKAR 4WD PLUS

Fig 2



2. EFFECTIVE SYSTEM FOR CLEAN FRUITS:

- ✓ High cleaning system design to remove leaves and impurities from receiving collected fruits by conveyor, controlled hydraulically and have adjustable speeds up to 1000 turn/min.

3. REDUCING THE DEGREE OF SOIL DEGRADATION:

- ✓ Less compaction on soil associated with lower harvester weight 5,250 Kg/ 11574 lbs
- ✓ The compact design of the harvester allows for the efficient operation and guarantee maintaining optimal operation parameters.

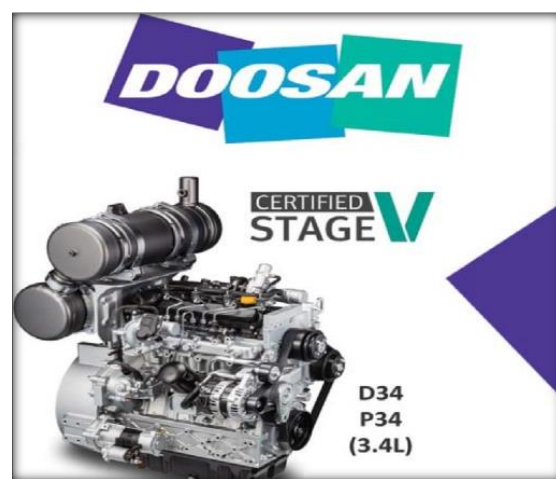


4. HIGH RELIABILITY & LOW IMPLEMENTATION COSTS:

- ✓ Low weight of harvester
- ✓ The use of innovation solution for:
 - The front axle ride of the harvester is extended for the harvest (working position) and narrowed to the transport position. This solution greatly improves the mobility of the machine on public roads
 - We developed two types of shaking elements: metal and plastic fingers. The use of double-unit fingers improved to increase the density of fingers. This solution significantly increased the efficiency of collection of fruits strongly attached to the sprouts (Ex; aronia fruits when they got very dry).

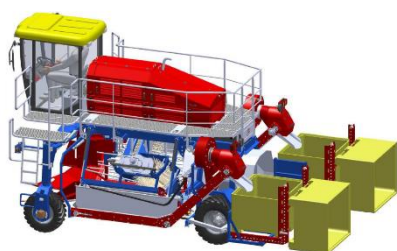
5. LOW FUEL CONSUMPTION (ECO - STAGE V)

- ✓ OSKAR features modern engine Doosan D24 EU Stage IIIB V 74 HP/Tier 5 Final meeting the requirements for exhaust emissions that eliminates installation of a particulate filter. It has a high-pressure electronic fuel injection and a turbocharger with a control valve, which improves power and efficient fuel consumption. Flue gas cleaning technologies used in the engine include cooled exhaust gas recirculation system connected to the oxidation catalyst to reduce particulate emissions and a selective catalytic reduction with the injection of an aqueous solution of fluid mounted to minimize nitrogen oxide.



6. DIFFERENT OPTIONS FOR FRUIT COLLECTING:

- ✓ We offer different deck configurations and can be configured according to the customer's needs



Working unit + Option: Roller platform



Working unit + Option: Raspberry separator

A customized configuration of working unit for collecting fruits can be according to customer's needs



Deck Configuration for All Versions of JAGODA JPS Harvesters



Working unit + Option: Box-pallets trolleys



Working unit + Option: Platform for boxes

