BERRY HARVESTERS

OSKAR 4WD, OSKAR 4WD PLUS

JAREK 5, JAREK 5R, & ARONIC

SMART BERRY FARMING

Over 30 years, JAGODA JPS is a leading designer & manufacturer of berry fruits harvesters
A LONG LEGACY OF ACCUMULATED EXPERIENCE
The high experience of JAGODA JPS started in 1980 by three engineers (JPS: Jaworski, Placek & Szafranński) 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
Our harvesters designed to collect berries such as: **blackcurrants, redcurrants and white-currants, aronia (chokeberries), gooseberries, Haskap (honeyberries), autumn-fruiting raspberries, saskatoon berries, rose hips and blueberry by OSKAR 4WD Plus.**

**OSKAR 4WD**
- Multi-Berry Harvester: Currants, Aronia, Haskap, Raspberries, Saskatoon, rose-hips & Gooseberries
- 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

**OSKAR 4WD PLUS**
- Multi-Berry Harvester: Blueberries, Raspberries and others.
- 2 systems for fruit retention (catcher & 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

**JAREK 5**
- Multi-Berry Harvester: Currants, Saskatoon, rosehip & Gooseberry
- Equipped with 2 picking head 920 (adjustable) or Standard
- ½ Row Harvester: Needs 30 HP tractor & 540 rpm/PTO
- Harvester configuration according to customer needs
- Multiple configurations of storage fruits
- Picking high quality fruits with affective fruit cleaning system
- Hydraulic steering axle (Standard)

**JAREK 5R**
- Multi-Berry Harvester: Raspberries & Haskap (honeyberries)
- Equipped with 1 picking head 920 (adjustable)
- Pre-separator & separating conveyor for fresh market fruits
- ½ Row Harvester: Needs 30 HP tractor & 540 rpm/PTO
- Harvester configuration according to customer needs
- Multiple configurations of storage fruits
- Picking high quality fruits with affective fruit cleaning system
- Hydraulic steering axle (Standard)

**ARONIC**
- Multi-Berry Harvester: Aronia and Haskap (honeyberries)
- Equipped with 1 reinforced picking head (higher vibration)
- ½ Row Harvester: Needs 30 HP tractor & 540 rpm/PTO
- Harvester configuration according to customer needs
- Multiple configurations of storage fruits
- Picking high quality fruits with affective fruit cleaning system
- Hydraulic steering axle (Standard)
**SELF-PROPELLED BERRY HARVESTER OSKAR 4WD**

Why OSKAR 4WD harvester awarded 5 times within 2 years for the most innovative and significant contribution to the development of Polish horticulture products. The last prize was from Minister of Agriculture and Rural Development of Poland And 1st prize during exhibition Fruits and Vegetable Industry Fair TSW 2018 as the most innovation product.

**The harvester 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 & LOWEST FRUIT LOSSES:**
   ✓ Collecting fruits from the low shrubs without losses 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.
   ✓ 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.

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 4,850 Kg/10,692 lbs
   ✓ The compact design of the harvester allows for the efficient operation and guarantee maintaining optimal operation parameters.

R&D works were created as part of the In-Tech program path (NCBiR) under scientific and industrial consortium of the Institute of Horticulture in Skierniewice with JAGODA JPS

An innovative self-propelled berry harvester collecting berries from full row:

**Catch System Is Available in OSKAR 4WD PLUS**
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
Our half-row harvesters are characterized by the high-quality finish, fully equipped, not heavy on soil, simple construction design and easy operation. The modular design allows adjusting the harvester to customer needs and different plantation conditions. We guarantee the highest standards in terms of harvest accuracy and the machine performance in the market.

**JAREK 5/ ARONIC and JAREK 5R** are the latest version of the half-row harvesters pulled behind the tractor designed to collect berries such as blackcurrants, red and yellow currants, gooseberries, aronia, haskap, autumn-frueting raspberries, saskatoon berries & rose hips.

---

**1. STANDARD EQUIPMENT’S IN JAREK 5/ARONIC:**

A. **2 innovative and exclusive shaking head 920** for JAREK 5, 1-shaking head for JAREK 5R and ARONIC, which guarantee quite machine operation and is much more gentle for shrubs than standard shaking heads. The shaking head 920 can be adjusted by changing the shaking force of the mass of the rotating weight in order to be used on different berry fruits.

B. **No need for additional attachments for low shrubs**, our harvester are distinguished by its unique design enabling the lowest possible installation of the “sun-shaped” shaking elements. Thanks to this solution, fruits can be collected even from young and low shrubs without an additional equipment for low bushes (from 20 cm over the ground).

C. **Hydraulic steering axle**, which provides a turning radius, which is especially important on U-turns.

D. **Protection roof**

E. **Platform for collecting fruits** in: small boxes (10 kg) / cargo pallets (500 kg)

F. **Hydraulic drives**, fully adjustable drives of working elements

G. **7 plastic/metal single or double** sun-shaped shaking elements. Plastic element have better elasticity, are more durable and do not damage the bushes.

H. **Low & easy maintenance**: Innovative chain protection system against excessive stretching / Cover protecting shakers closed with magnets, allows easy access to shakers and trouble-free service.

I. **Mechanical gatherer** guides low lying branches to the conveyor

J. **The chute plate** under the hopper for filling big boxes

K. **A rotating drawbar** of the harvester to the tractor’s boom

L. **Design** allows adjusting the harvester to customer needs on different plantation conditions.
2. ADDITIONAL OPTIONS

- **Hydraulic levelling wheels**: Recommended for efficient operation on crosswise slopes from 3° up to 12°.
- **Stoppers**: Recommended for efficient operation on crosswise slopes from 1° up to 2°
- **Hydraulic sliding beam (drawbar)**: level the harvester by raising and lowering the lift in the tractor and moving it right / left. (4-directions)
- **Electro-valve control**: Required in order to control different optional functions from the tractor
- **Oil cooler**: Recommended for continuous work especially in hot climate.
- **Hydraulic gatherer**: In standard version our harvester is equipped with a mechanical gatherer
- **Section distributor**
- **Gooseberry covers**: Required for gooseberry or other berries harvest due to specificity of the gooseberry fruit which is very prone to chipping off when in contact with shaking elements
- **Deck extension of the rear platform** by 60 cm.
- **Working light on platform/ Set of road lights**

3. DIFFERENT OPTIONS FOR FRUIT COLLECTING:

- We offer different deck configurations and can be configured according to the customer’s needs
<table>
<thead>
<tr>
<th>Specification</th>
<th>OSKAR 4WD</th>
<th>OSKAR 4WD-P</th>
<th>JAREK 5</th>
<th>JAREK 5R</th>
<th>ARONIC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Harvester’s Type</strong></td>
<td>Self-propelled 4-wheel hydro drive</td>
<td>Self-propelled 4-wheel hydro drive</td>
<td>Hook To Tractor Category 2</td>
<td>Hook To Tractor Category 2</td>
<td>Hook To Tractor Category 2</td>
</tr>
<tr>
<td><strong>No of Harvested Row</strong></td>
<td>1</td>
<td>1</td>
<td>½</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td><strong>Shaking fruits Head</strong></td>
<td>2 x (Type: 920)</td>
<td>2 x (Type: 920)</td>
<td>2 x (Type: ST)</td>
<td>1 x (Type: A)</td>
<td>1 x (Type: 920)</td>
</tr>
<tr>
<td><strong>Harvesting Speed</strong></td>
<td>0.5 - 2 km/h 0.31 - 1.25 mph</td>
<td>0.5 - 2 km/h 0.31 - 1.25 mph</td>
<td>0.6 - 1.5 km/h 0.38 – 0.93 mph</td>
<td>0.3 - 1 km/h 0.18 – 0.62 mph</td>
<td>0.6 - 1.5 km/h 0.38 – 0.93 mph</td>
</tr>
<tr>
<td><strong>Transport Speed</strong></td>
<td>20 km/h 12.5 mph</td>
<td>20 km/h 12.5 mph</td>
<td>20 km/h 12.5 mph</td>
<td>20 km/h 12.5 mph</td>
<td>20 km/h 12.5 mph</td>
</tr>
<tr>
<td><strong>Harvest Output</strong></td>
<td>Up to 0.5 ha/h Up to 1.24 ac/h</td>
<td>Up to 0.5 ha/h Up to 1.24 ac/h</td>
<td>0.1 - 0.2 ha/h 0.25 – 0.5 ac/h</td>
<td>0.05 - 0.1 ha/h 0.13 - 0.25 ac/h</td>
<td>0.08 - 0.2 ha/h 0.2 – 0.5 ac/h</td>
</tr>
<tr>
<td><strong>Harvest Accuracy</strong></td>
<td>Up to 95%</td>
<td>Up to 95%</td>
<td>Up to 99%</td>
<td>Up to 95%</td>
<td>Up to 98%</td>
</tr>
<tr>
<td><strong>Impurities %</strong></td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td><strong>Staff Required</strong></td>
<td>Operator + 2</td>
<td>Operator + 2</td>
<td>Operator +1</td>
<td>Operator +1</td>
<td>Operator +1</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Engine - Norm Emission</strong></td>
<td>74 HP (ECO)</td>
<td>74 HP (ECO)</td>
<td>Tractor 30 HP PTO: 540 rpm</td>
<td>Tractor 30 HP PTO: 540 rpm</td>
<td>Tractor 30 HP PTO: 540 rpm</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dry Weight</strong></td>
<td>4,850 Kg 10,692 lbs</td>
<td>5,000 Kg 11,023 lbs</td>
<td>1,950 Kg 4,300 lbs</td>
<td>1,950 Kg 4,300 lbs</td>
<td>1,850 Kg 4,078 lbs</td>
</tr>
<tr>
<td><strong>Working Height</strong></td>
<td>3.45 m 11.31 ft</td>
<td>3.9 m 12.80 ft</td>
<td>2.50 m 8.20 ft</td>
<td>2.50 m 8.20 ft</td>
<td>2.50 m 8.20 ft</td>
</tr>
<tr>
<td><strong>Shipment Height</strong></td>
<td>3.45 m 11.31 ft</td>
<td>3.9 m 12.80 ft</td>
<td>2.00 m 6.56 ft</td>
<td>2.00 m 6.56 ft</td>
<td>2.00 m 6.56 ft</td>
</tr>
<tr>
<td><strong>Working Length</strong></td>
<td>6.10 m 20 ft 6.10 m 20 ft</td>
<td>6.10 m 20 ft</td>
<td>6.10 m 20 ft</td>
<td>6.10 m 20 ft</td>
<td>6.10 m 20 ft</td>
</tr>
<tr>
<td><strong>Shipment Length</strong></td>
<td>4.97 m 16.30 ft</td>
<td>4.97 m 16.30 ft</td>
<td>5.10 m 16.73 ft</td>
<td>5.10 m 16.73 ft</td>
<td>5.10 m 16.73 ft</td>
</tr>
<tr>
<td><strong>Working Width</strong></td>
<td>3.8 m - 4.6 m 12.46 ft – 15.10 ft</td>
<td>3.8 m - 4.6 m 12.46 ft – 15.10 ft</td>
<td>2.60 m 8.53 ft</td>
<td>2.60 m 8.53 ft</td>
<td>2.60 m 8.53 ft</td>
</tr>
<tr>
<td><strong>Shipment Width</strong></td>
<td>2.88 m 9.44 ft</td>
<td>3.00 m 9.84 ft</td>
<td>2.40 m 7.87 ft</td>
<td>2.40 m 7.87 ft</td>
<td>2.40 m 7.87 ft</td>
</tr>
<tr>
<td><strong>Other Specification</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tire size</strong></td>
<td>Front: 10/75-15.3 Rear: 15/55-17.0</td>
<td>Front: 10/75-15.3 Rear: 15/55-17.0</td>
<td>Rear: 10/75-15.3 Rear: 10/75-15.3 Rear: 10/75-15.3 Rear: 10/75-15.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fruits Collection/Tons</strong></td>
<td>2- 2.5 Tonnes</td>
<td>2- 2.5 Tonnes</td>
<td>Max 1.25 Ton</td>
<td>Max 1.25 Ton</td>
<td>1.25 Tonnes</td>
</tr>
<tr>
<td><strong>Overcoming the hills</strong></td>
<td>Paved Road: 15° Plantation: 12°</td>
<td>Paved Road: 15° Plantation: 12°</td>
<td>Optional: 12°</td>
<td>Optional: 12°</td>
<td>Optional: 12°</td>
</tr>
</tbody>
</table>