



## JAGODA 300 – Benchmark Trailed Blueberry Harvester– Vertical Shaking System

The **JAGODA 300** is a proven, advanced over-the-row trailed blueberry harvester designed for efficient mechanical berry harvesting. It delivers excellent performance and gentle fruit handling for blueberries and is also ideal for raspberries, haskap berries, blackberries, and intensive orchards. Its versatility and soft-touch system ensure high productivity with minimal fruit damage.

### Benchmark Performance, Proven in the Field

It is fully equipped in its standard configuration, requires a minimum 80 HP tractor, and delivers high-quality fruit while preserving the plantation.

- Its gentle yet precise shaking system achieves over 90–95% efficiency on well-prepared plantations with suitable varieties, ensuring faster harvesting even on uneven terrain, cleaner fruit, zero plant damage, minimal fruit loss, and reliable, cost-effective performance.

### Performance and Efficiency:

- Fruit impurities and green fruit: Less than 2% on well-prepared plantations, with no leaves.
- Fruit losses: Around 3% on narrow-base crown bushes; may increase slightly with less-trimmed or wide-base bushes.
- Operating speed: 0.4–1.8 km/h.
- Harvesting capacity: 0.2–0.4 hectares per hour

### Harvester with Superior Maneuverability and User-Friendly Design

1. **Hydraulic Adjustable Picking Tunnel:** Easily adjusts from 2.8 m to 3.4 m with a 60 cm lift range to suit different plantations, featuring an Automatic Ground-Adaptive System that raises the tunnel when the sensor detects ground contact.
2. **Efficient Maneuverability with Steering Wheels:** Allows a tight 6 m turning radius for effortless maneuvering with Automatic pre-controller with Visual Indicators for precise, effortless operation.
3. **Wireless control panel:** Operable up to 30 m away, from the tractor cabin or around the harvester.



5. **Additional rear control panel:** Enables full control of harvester functions for quick, easy adjustments during operation.
6. **Drive and working lights:** for safe operation in low-light conditions
7. **Real-Time Monitoring with Dual Cameras:** Screen and cameras provide precise, efficient harvesting control.
8. **High Capacity & Versatile Platform:** Holds 50–60 full boxes and up to 50 empty ones. Features a hydraulic foldable deck with height & width adjustment for small boxes, and allows easy attachment of rear bin trailers for extra storage.
9. **Adaptability for Terrains:** Designed for flat or raised beds, trellis systems, potted plantations, and slopes, with wide-front tires ensuring reliable performance even in wet or muddy conditions.

### Blueberries for Fresh Market (Post-Sorting) & IQF with Minimal Green

- A. **Equipped with two innovative asymmetric 920-type shaking heads:** Ensures gentle, efficient harvesting with adjustable vibration amplitude, speed, and shaking force, achieving over 98% efficiency while preserving plants.
- B. **Innovative Catcher Plate Design:** Adjustable height and incline provide efficient fruit collection with only 2–8% loss, with catcher plates reaching as low as 33 cm above the ground.
- C. **Single-Drop Fruit Delivery System with Adjustable Speed:** Protects fruit quality during harvesting.
- D. **Integrated Mini Sorting Table:** Enables on-platform pre-sorting for cleaner, high-quality blueberries directly during harvest.
- E. **Efficient fruit cleaning:** with two high-speed adjustable fans (1,200 rpm) for optimal removal of leaves and debris.



### Smart Harvesting: Self-Steering & Ground-Adaptive Sensor System

- ✓ **Self-Steering System:** Automatically follows plantation rows with four sensors for precise, stable tracking.
- ✓ **Height Control System:** Adjusts conveyor height to terrain for optimal fruit collection and obstacle safety.
- ✓ **Control & Signal Processing:** Automates harvester adjustments while allowing smooth manual control.

## Technical Specifications

Model-	JAGODA 300 -V2
Mounting method to tractor	2 hitch-point linkage Category 2
Number of harvested row	1
Tractor Capacity	Min. 80 HP
Shaking fruits Head	2 x (Type: 920)
Drive of working units	Hydraulic pump through the transmission PTO shaft
Drive	Internal hydraulics system of the harvester
Staff Required	Tractor Operator + 2
Transport – working Length	6 200 mm – 7 150 mm
Height – Adjustable	2800 mm – 3400 mm
Transport – working Width	3 000 mm – 3 650 mm
Platform Capacity without Trailer	2 x 500 Kg = 1,000 Kg
Max tunnel width	2250 mm
Rear Width Tunnel	980 mm
Complete tunnel length	4 200 mm
Complete catcher plates length	2 800 mm
Net Weight	4,500 Kg