

## STONE FRUIT SHAKER



**GACEK- STONE FRUIT HARVESTER**



**PESTKA- TRUNK TREE SHAKER**

**Fruits Tree Shaker** from JAGODA JPS is intended for harvesting sour-cherries, plums, hazelnuts and industrial apples. It is also successfully used for harvesting olives, almonds and more others.



## SMART FRUIT FARMING

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

# GACEK- FRUIT TREE HARVESTER WITH UMBRELLA

## GACEK innovative solution and highest workmanship standard

- GACEK is completely developed by JAGODA JPS under R&D works scientific and industrial consortium of the Institute of Horticulture In Skierniewice ( Capital of fruits science in Poland)
- Patent Number: P-386556 (Poland)

### 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.

### 1. DIFFERENT OPTIONS FOR COLLECTING FRUITS:

- ✓ The machine is designed to harvest fruit into pallet boxes 1200x1000x760 mm. After mounting the bars, the platform for boxes and pallet's platform to collect to boxes 600x400x150 mm.
- ✓ (Both options are available in standard version)

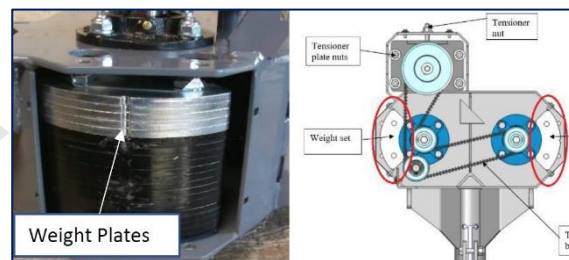


### 3. HIGH QUALITY FRUITS & HIGH RELIABILITY:

- ✓ The innovative solution that distinguish GACEK is the adoption of an inverted umbrella folded automatically under the tree before shaking the fruits.
- ✓ GACEK machine is recommended for orchard area of up to 5 ha. In optimal conditions, you can collect the fruits from 50-60 trees / hour. For the drive of the machine farm tractor equipped with a hydraulic pump with a capacity of min. 25 l / min and 30 hp of tractor power.
- ✓ In order to operate GACEK two or three people are needed: one for tractor and 1-2 for handling the machine.

### 3. REGULATION OF THE POWER SHAKER:

- ✓ For collecting fruits with a trunk diameter between 5 to 22 Cm. The innovative shaking head guarantee quite an operation and is much more gentle for trees than other shaking head by changing the shaking force of the rotating weight that can be used for different fruits.



### In order to achieve the best work effects:

- ✓ Distance between Rows: Min. 4 m
- ✓ Distance between trees in a row: Min. 2,2 m
- ✓ Max. crown diameter: About 3.7 m
- ✓ Trunk diameter: 50 mm to 220 mm
- ✓ Height of the trunk: Min. 0,7 m



# PESTKA- TRUNK TREE SHAKER

## Trunk shaker PESTKA – simple, reliable, efficient

The trunk shaker PESTKA is designed to harvest stone fruits such as: sour cherries, plums, hazelnuts, industrial apples, olives, almonds, walnuts and more others

### HIGH RELIABILITY & EFFICIENCY:

- ✓ Supplying the machine with a tractor pump has a significant impact on the optimal use of the machine and the reduction of its costs. The hydraulic elements of the device work periodically, so that there is no risk of excessive heating of the oil in the tractor.
- ✓ The effectiveness of shaking depends on the frequency of vibrations and the energy with which the device interacts with the tree. Both of these parameters can be adjusted to suit the conditions prevailing in the orchard.
- ✓ The effectiveness of shaking off can be adjusted by simply changing the mass of the rotating components of shaking head.
- ✓ Thanks to the boom turn of 90 degree to the right or to the left sided, you can simultaneously harvest from both row sides.
- ✓ The head shaker can be adjusted based on the trunk diameter by regulating the shakers jaw
- ✓ The advantage of PESTKA when the trunk diameter is above than 22 cm, the machine has flexibility to reach the main branches of trees.



SPECIFICATION	GACEK	PESTKA
<b>Method of Attaching</b>	Three-point hitch- Category 2	Three-point hitch- Category 2
<b>Working System</b>	Tractor's hydraulics	Tractor's hydraulics
<b>Hydraulic Pump Consumption</b>	25 L/Min	20 L/Min
<b>Shipment Length</b>	4800 mm	3280 mm
<b>Working Length</b>	Max: 5200 mm	3280 mm
<b>Shipment Width</b>	2400 mm	920 mm
<b>Working Width</b>	Max: 3700 mm	920 mm
<b>Shipment Height</b>	2090 mm to 2400 mm	1620 mm
<b>Working Height</b>	2400 mm	1620 mm
<b>Dry Weight</b>	1250 Kg	220 Kg
<b>Scope of paws grip</b>	50 - 220 mm	50 - 220 mm
<b>Harvest accuracy</b>	Up to 95%	Up to 95%
<b>Output</b>	Up to 0,5 ha/8hour (50 Trees/Hour)	(40-50 Trees/Hour)
<b>Number of operators</b>	2-3	4-5



[www.youtube.com/c/JAGODAJPS-PL](https://www.youtube.com/c/JAGODAJPS-PL)  
[www.instagram.com/jagodajps\\_agromachines/](https://www.instagram.com/jagodajps_agromachines/)  
[www.facebook.com/jagodajpscompany/](https://www.facebook.com/jagodajpscompany/)  
 Phone: +48 46 831 01 96  
 E-mail: jagoda@jagoda.com.pl

