

Index: Fruit Tree Shaker Machines

GACEK- Fruit tree shaker with umbrella – Trailed:

- GACEK harvester is intended to collect stone fruits such as: sour-cherries, plums, hazelnuts, almonds, and more other
- The machine is recommended for orchard area of up to **5 ha**
- Clean fruit system and collecting fruits into big or small boxes
- Output 0.09 to 0.1 Ha/hour



G-004 - Tree Shaker For Stone Fruit – Trailed:

- Tree Shaker For Stone Fruit G-004 is intended for harvesting sour-cherries, cider, plums, hazelnuts, almonds, olives and others
- Harvester can be used in orchards with **different distances between trees in a row**.
- The harvester is trailed to a tractor with hydraulic drives equipped with internal hydraulic system.
- Output 0.09 to 0.1 Ha/hour
- Clean fruit system and collecting fruits into big or small boxes



PESTKA - Trunk Tree Shaker: *simple, reliable, efficient*

- PESTKA is designed to harvest stone fruits such as: sour cherries, plums, hazelnuts, industrial apples, olives, almonds, walnuts and more others
- The machine has flexibility to reach the main branches of trees when the trunk diameter is above than 22 cm Or PESTKA 30: 30 cm
- Harvest simultaneously from both row sides in one pass
- Harvest accuracy reaches up to 95%



RS100: Rope Tree Shaker

- RS100 can save time and labour especially for farmers who have few trees.
- It designed to harvest stone fruits for big, medium and small trees such as walnuts, almonds, plums, sour-cherries, olives, cider and others.
- It is equipped with a steel rope 10 m long and 8 mm in diameter which is attached to a branch or trunk of a shaken tree.





GACEK- Stone fruit harvester

Fruits Tree Shaker GACEK is intended for harvesting sour-cherries, plums, hazelnuts, almonds, and more others

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) under Patent Number: P-386556

- The innovative solution that distinguish GACEK is the adoption of an inverted umbrella folded automatically under the tree before shaking the fruits
- 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
- GACEK machine is recommended for orchard area of up to 5 ha. In optimal conditions, collecting the fruits from 50-60 trees / hour

Innovative solution and highest workmanship standard – Fully equipped:

- Effective system for clean fruits
- Regulation of the power shaker
- High quality fruits & high reliability
- Collecting fruits into small or big box (standard option)



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 |



- 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**.

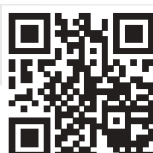


Technical Specification

Method of Attaching	3-point linkage Category 2
Working System	Tractor's hydraulics
Hydraulic Pump Consumption	25 L/Min
Tractor Capacity	Min 30 Hp
Working Length	Max: 5200 mm
Working Width	Max: 3700 mm
Working Height	2400 mm
Dry Weight	1250 Kg
Scope of paws grip	50 - 220 mm
Harvest accuracy	Up to 95%
Output	Up to 0,5 ha/8hour (50 Trees/Hour)
Number of operators	2-3

Shipment Dimesnions

Length		
4800 mm		
Width		
2400 mm		
Height		
2090 mm		

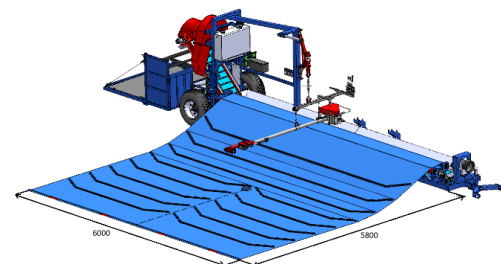




G-004 Tree Shaker with Tarpaulin

Tree Shaker For Stone Fruit G-004 is intended for harvesting sour-cherries, plums, hazelnuts, almonds, olives, ciders (industrial apples), and more others

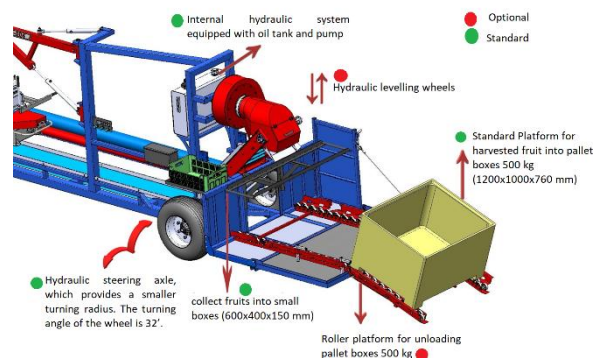
- G-004 is a shaking machine that will be adapted to suit the precise needs of fruit growers that can be used in orchards with different distances between trees in a row (1.5 m to 3 m)
- High-quality fruits & high reliability with performance up to 99% in optimal conditions collecting fruits from 50-60 trees/hour with harvest output 0.09 to 0.1 Ha/hour
- An effective system for cleaning fruits up to 1000 turns/min.
- The innovative shaking head guarantee quite an operation and is much more gentle for trees



Highest workmanship standard – Fully equipped:

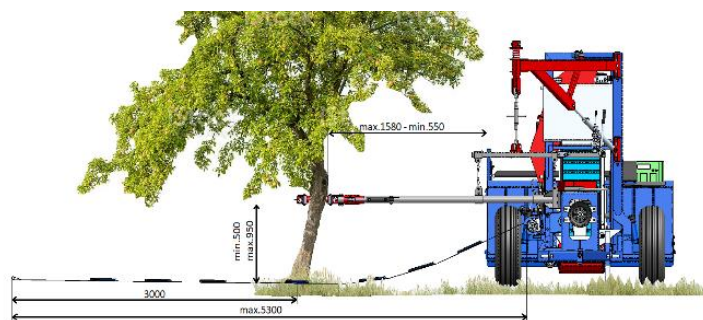
- The harvester is trailed to a tractor with hydraulic drives equipped with oil tank and pump
 - Hydraulic steering axle, which provides a smaller turning radius guaranteeing free operation of the machine. The turning angle of the wheel is 32'.
- Optional:** Hydraulic levelling wheels that are a very suitable solution in case of hilly plantations for efficient operation on crosswise slopes up to 12°.

- The machine is designed to harvest fruit into pallet boxes 500 kg (1200x1000x760 mm). After mounting the bars, the platform is able to collect fruits into small boxes (600x400x150 mm).
- Optional:** roller platform for unloading pallet boxes 500 kg



In order to achieve the best work effects:

- Distance between rows: Min 2.7 m
- Distance between trees in a row: Min 1.5 m
- Trunk diameter of the tree: 50 mm to 210 mm
- Height of the trunk: min 500 mm
- Distance at the end of the row: 8 m



Technical Specification

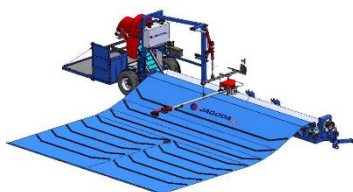
Method of Attaching	3-point linkage Category 2
Working System	Internal hydraulic system, hydraulic pump through the transmissio
Power Capacity required	200 rpm from PTO shaft
Tractor Capacity	Min 40 HP
Working Length	9700 mm
Working Width	5800 mm including the width of screen
Working Height	2230 mm
Dry Weight	1700 Kg
Scope of paws grip	50 - 210 mm or 100 mm – 300 mm
Harvest accuracy	Up to 99%
Output	50-60 trees / hour with output 0.09 to 0.1 Ha/hour
Number of operators	Tractor Operator + 3

Shipment Dimensions:

Length	
8300 mm	
Width	
1912 mm	
Height	
2230 mm	



GACEK



G-004



PESTKA



RS-100

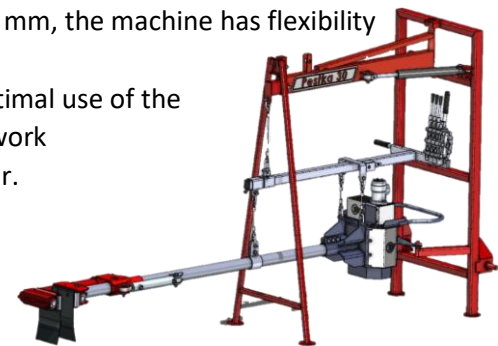




PESTKA - Trunk Tree Shaker - simple, reliable, efficient

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

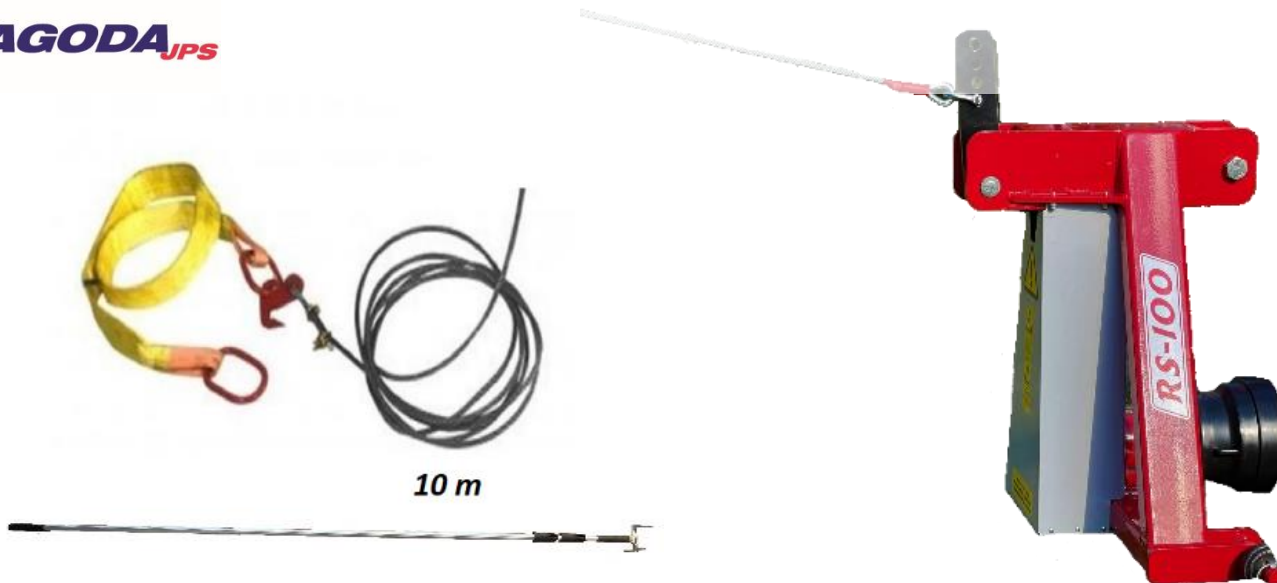
- The effectiveness of shaking off can be adjusted by simply changing the mass of the rotating components of shaking head for PESTKA 20. The machine is produced in 2 versions.
- Thanks to the boom turn of 90 degree to the right or to the left sided
- The advantage of PESTKA when the trunk diameter is above than 22 cm Or 30 mm, the machine has flexibility to reach the main branches of trees
- 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.



Technical Specification

Version	PESTKA 20	PESTKA 30
Method of Attaching	3-point linkage Category 2	3-point linkage Category 2
Working System	Tractor's hydraulics	Tractor's hydraulics
Hydraulic Pump Consumption	20 L/Min	20 L/Min
Shipment Length	3280 mm	3280 mm
Working Length	3280 mm	3280 mm
Shipment Width	920 mm	920 mm
Working Width	920 mm	920 mm
Shipment Height	1620 mm	1620 mm
Working Height	1620 mm	1620 mm
Dry Weight	220 Kg	230 Kg
Scope of paws grip	50 - 220 mm	100 - 300 mm
Harvest accuracy	Up to 95%	Up to 95%
Output	(40-50 Trees/Hour)	(40-50 Trees/Hour)
Number of operators	4-5	4-5



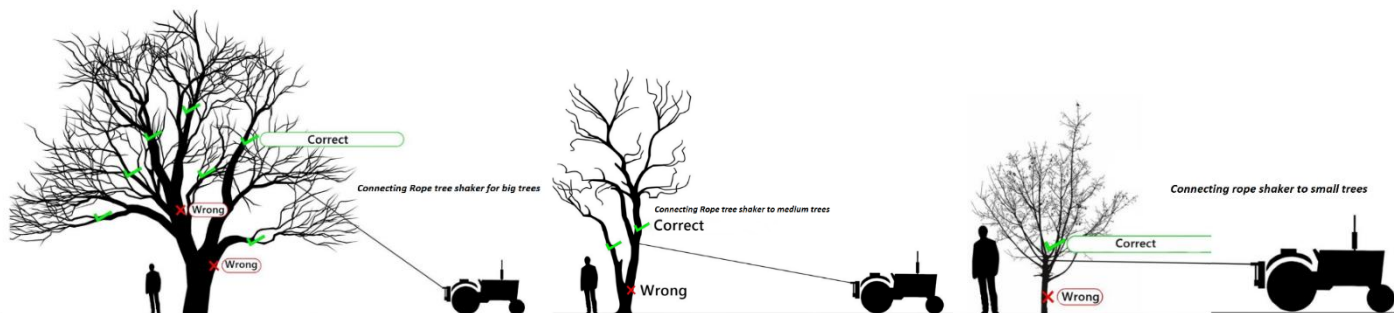


RS100: Rope Tree Shaker - simple, reliable, efficient

The rope tree shaker RS100 can save time and labour especially for farmers who have few trees. It is designed to harvest stone fruits for big, medium and small trees such as walnuts, almonds, apricots, plums, sour-cherries, olives, cider and others. The RS 100 shaker is mounted via the three-point linkage at the front or rear of the tractor.

- It is equipped with a steel rope 10 m long and 8 mm in diameter, which is attached to a branch or trunk of a shaken tree. Other rope lengths are also available on request.
- Additional options: the machine has an option to use a telescopic pole with a length up to 6 m, which greatly facilitates hooking the rope.
- The device is designed for both small and big trees.
- The output from 10 to 25 Trees/Hour depends on the size of trees.

Connecting the location of the rope based on tree size:



Technical Specification

Mounting method	3-point linkage Category 2
Rope length	10 m (other lengths available on request)
Rope diameter	8 mm
Telescopic pole Length optional	6 m
PTO Profile	1.3 / 8 "PTO profile 6 splines
Width	870mm
Height	840mm
Length	520 mm
Weight	70 kg
Rotating speed of PTO power	recommended 200 rpm

