

# JAREK 5: ARONIC

## Question → Answers



JAGODA JPS Agromachines

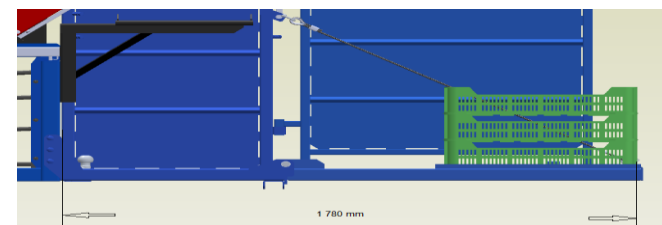
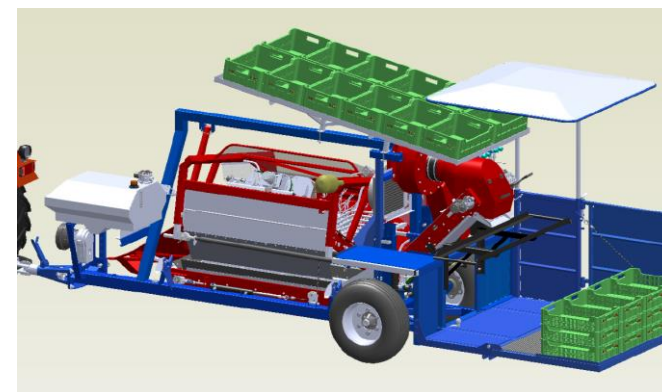
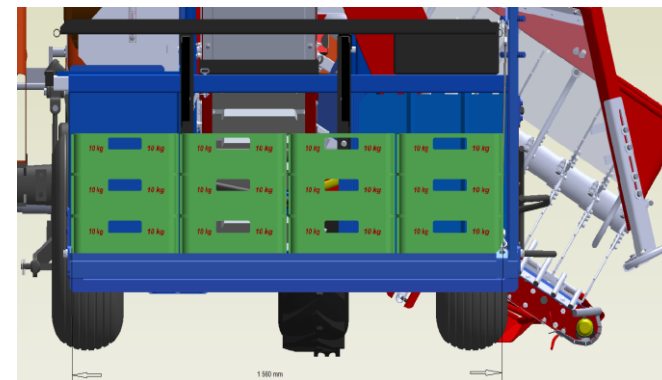
Technical Department- Sales Department

**1-How wide and long is the deck on the back of the harvester, how many people do you recommend and how many berry trays can fit?**

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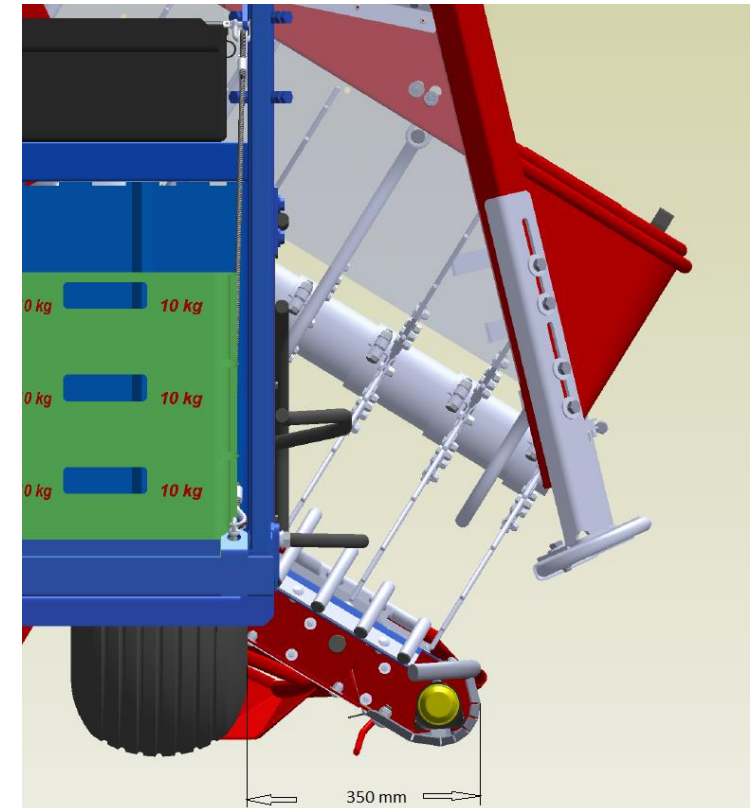
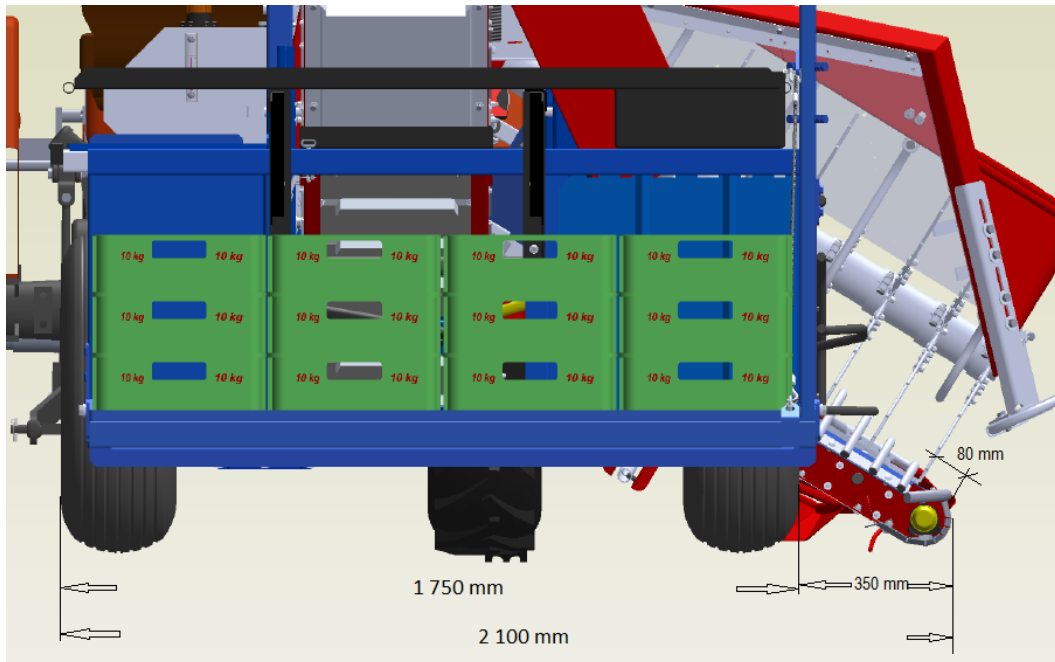
An: The deck on the back of the harvester is 1,78 m long and 1,56 wide (Fig. 5). It can fit 20-30 fruit boxes (standard dimensions 40cmx60cmx20cm). 2 people can stay on the deck but in this case you would need to remove some boxes. However, we offer as additional equipment a box tray that can fit up to 12 empty fruit boxes (Fig. 6). It is a very convenient solution that permits you to save some space on the deck. As for JAREK 5 raspberry version, it is equipped with a pre-separator that removes minor impurities and an additional separating conveyor that facilitates removal of damaged fruits. 2 people are needed to handle this equipment and the deck can fit 14 fruit boxes.

The construction of JAREK 5 allows collection of the harvested fruits into traditional fruit boxes or into box-pallets. The box-pallets can be placed on a platform with rollers or on a trolley attached to the harvester in several variants.



2-The machine is 2400 mm wide, how much of the machine is in the row its self, from tire to end of shaker?

An: The distance from the inner tire to the gutter is 350 mm (Fig. 1) and from the outside tire to the gutter is 2100 mm (Fig. 3).



**3-Axis Ride- the rear wheels adjust up and down, as well as turn. How much angle can you turn them?**

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An: The turning angle of the wheel is 32'.

The hydraulic steering axle, which provides a smaller turning radius guaranteeing free operation of the machine, is included as standard equipment.

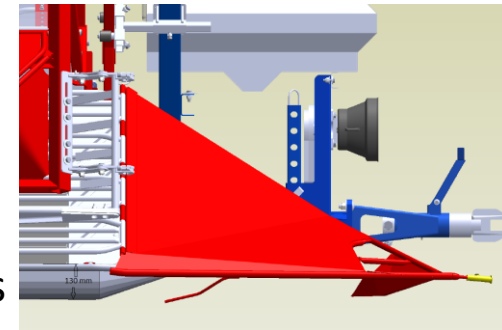
Also, we offer as additional equipment hydraulic levelling wheels (5') that is a very suitable solution in case of hilly plantations.

**4- harvesters can get low enough to pick the fruit, low bush attachment, You have mentioned a roller low attachment can you please explain your low attachment**

An: Our engineers have developed a solution that doesn't require any additional low bush attachment.

JAREK 5 is 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 very young and low shrubs.

We offer metal and plastic shaking elements, depending on the customer's preferences. Also, we can fit the machine with special double shaking elements developed by our constructors that are particularly recommended in case of slender branches.





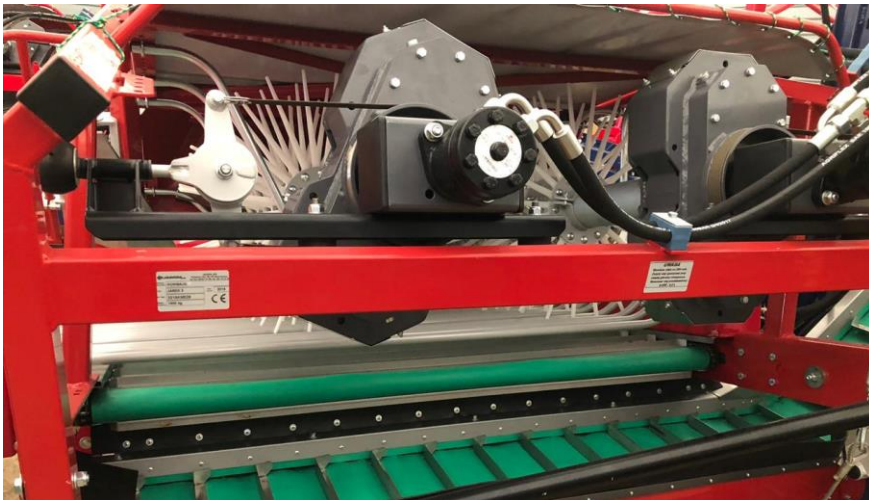
5- Jarek 5 has 7 shaking heads, the bottom one is the most important for the first couple years due to a small plant, it can be removed. Can you explain how the Jarek compares?

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An: We install in our harvesters any number of shaking elements, depending on the customer's needs and bush size. There are single and double shaking elements and we always recommend best solutions depending on the plantation's conditions.

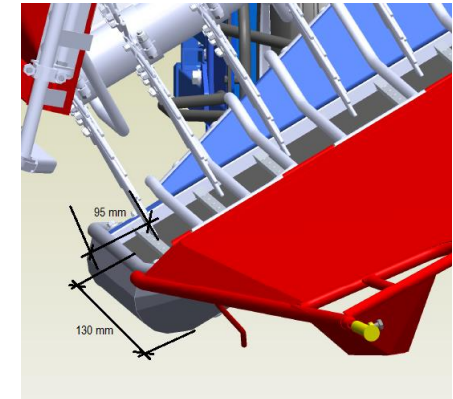
We mount shaking elements at the base of the bush, close to the edge of the gutter of the harvester. Thanks to this, the fruits are harvested accurately from very young and low shrubs without damaging. JAREK 5 or ARONIC is able to harvest 20 cm off to the ground in unique standard design without low bush attachment with standard price of harvester.



**6- Explanation from your research team, on how your machine is able to harvest haskaps and other berries as close as 20cm from the ground?**

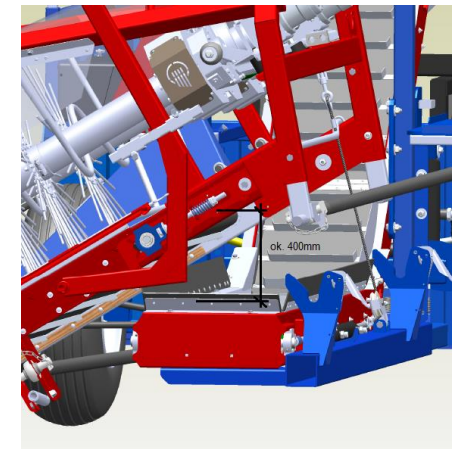
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An: The best effects of the JAREK 5 harvester operation can be obtained on the plantation where the fruiting on the shoots begins from 30 cm onwards (lowest possible installation of shaking elements, Fig. 1). However, with the JAREK 5 harvester, it is possible to harvest from the lower fruiting shoots.



**7- What is the drop distance from the back of the shaker conveyor belt to the 2nd conveyor belt?**

An: Fig. 2 shows the distance 400 mm.



## 6- Can the harvester be hooked to the 2 point hitch so the front of harvester height can be adjusted?

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hydraulic sliding beam 2 point hitch to shift the harvester left or right by 25 cm and to adjust the height of harvester from tractor.

The electronic module control allows to adjust the hydraulic sliding beam from the tractor





7- Is there a hydraulic drawbar adjustment, in order to get as close to the bush as possible?

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hydraulic sliding beam 2 point hitch allows to shift the harvester left or right by 25 cm  
The cradle system of shaker frame moves based on the distributor plates as shown in photo 1 and 2





## 8- List of accessories your recommend as your high end model?

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- Shaking elements, depending on customer requirements:
  - double plastic and single plastic
  - single metal (type V)
- Sorting assembly for picking raspberries (raspberry attachment) or other fruits that require sorting and inspection of the fruit. Recommended also for haskap.
- Splash shields mounted in the side, front and rear part of the working unit. Most commonly used when harvesting gooseberries. It is not required to harvest haskap.
- Box tray at the top of the harvester (on the frame of the harvester) for empty boxes.
- Tipping limiters of the working set.
  - Protection at work on inclined areas.
- Steering wheels of the rear axle of the harvester.
  - Hydraulic leveling of the harvester. Protection at work on inclined areas.
- Hydraulic sliding beam that allows the harvester to approach and move away from the bushes
- Hydraulically lifted gatherer

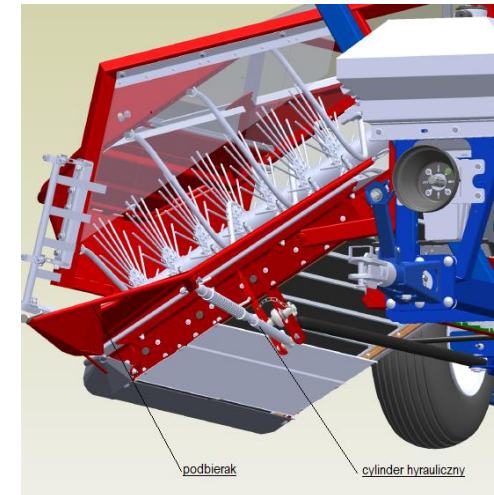
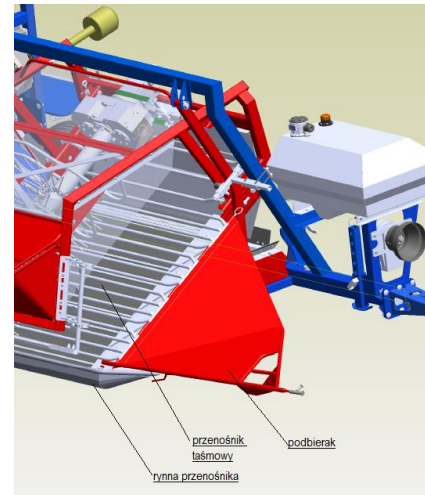
## 9- Are there additional features you want people to know about half-row harvester?

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Our harvesters have been working for European farmers for many years and have been perfectly adapted to European conditions. As we observe that our solutions work well in the most demanding conditions. Our machines can be adapted to different circumstances and our research team is ready to develop such modifications to our machines that would fulfil the customers request but depend on the plantation conditions and it may be different from field to field. There are additional features even can resolve some issues that aren't available in other harvesters

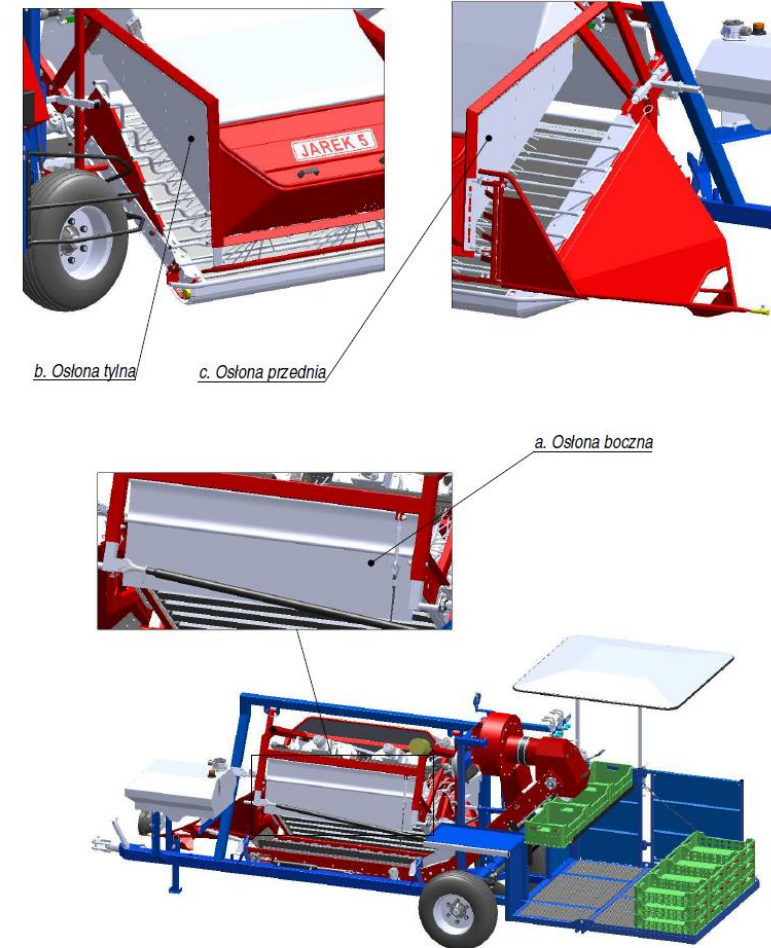
### a) Hydraulic lifted gatherer- is this the feature that lifts the rear wheels up?

The hydraulically lifted gatherer is used when turning so that it does not hit the ground. When it comes to harvesting fruit, it does not matter. In attachment you will find a drawing (Fig.1, Fig.2) of this part (podbierak=gatherer).



## b) Splash shield? Can you show pictures and explain what it does?

It is used for gooseberries and other “elastic” fruits that bounce off a hard surface. There is no need to use it for haskap as example. as it is an additional feature. In attachment you will find an engineering drawing with splash shields (covers).

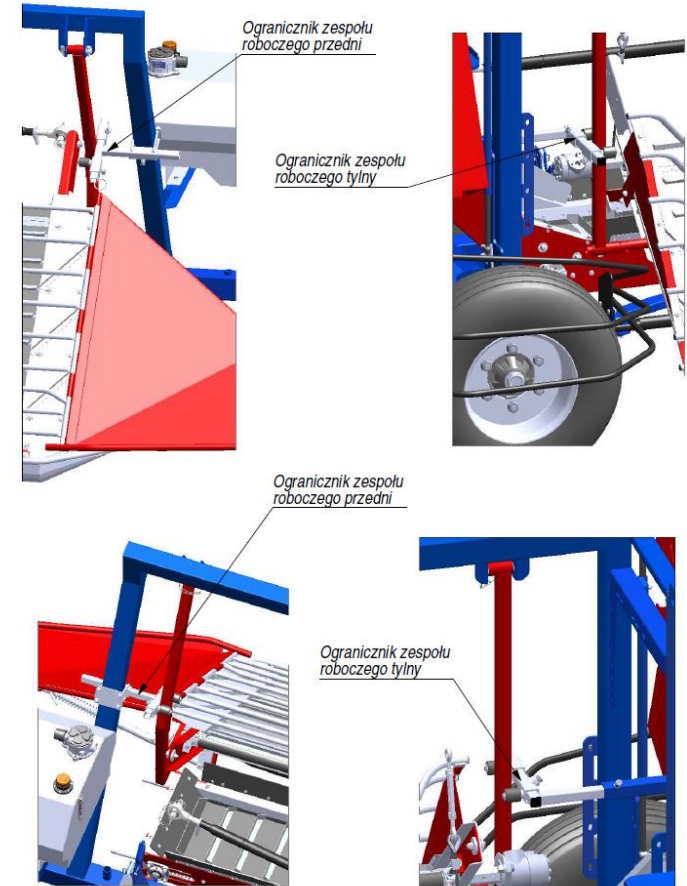


Kombajn Jarek 5 Wyposażenie dodatkowe:  
a. z osłoną boczną  
b. z osłoną tylną  
c. z osłoną przednią



## c) What do the Aronic stoppers do?

Stoppers are used in case of hilly plantations. When there is a slight continuous slope (the lateral inclination along the axis) up to 5' stoppers block the divider. In attachment you will find a drawing.



Kombajn Jarek 5 Wyposażenie dodatkowe: ograniczniki wychyłu zespołu roboczego do pracy na pochyłościach

**d) Are the shaking heads removable?**

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Shaking heads are removable, you can mount one or two heads, according to your needs/preferences. we recommend a stripe head (one or two, with two heads the harvest is more accurate).

**e) The machine controls. From what I gather from your site you have controls on the harvesting deck of the machine and with the tractor driver?**

In our harvesters the hydraulic control can be handled in two ways: from the tractor's cab or from the operator's deck/platform (depending on the customer's preferences).

The hydraulic controls allow to ensure safe operation of:

- the inclination of the rear frame
- the hydraulic sliding beam
- the divider
- the gatherer

**10- With the controls can they be split? On the front for the tractor driver: lift gatherer, hydraulic sliding beam, inclination of rear frame/ shaking heads and rear steering axle.**

**On the back: head shaking intensity, conveyor speed, shaker rotation speed?**

We can split the controls according to your requirements.

If necessary, we will add a hydraulic divider (that can be controlled manually or electrically)

Please be aware that the speed of conveyors, fan and heads are always controlled manually from the deck.

**11- let us know what you recommend from your own experiences?**

We recommend controlling the hydraulic sliding beam from the tractor's hydraulics. The rest can be split according to your preferences.

**12- With the two shaking heads, can the machine run with one, having the other removed? If there is only one, which should stay on, front or back of the machine or can you centre the one head?**

We mount shaking heads with a set of guide bars. You need different guide bars for one and two shaking heads. You can always remove one shaking head and mount the remaining one with a different set of guide bars in order to centre the head.

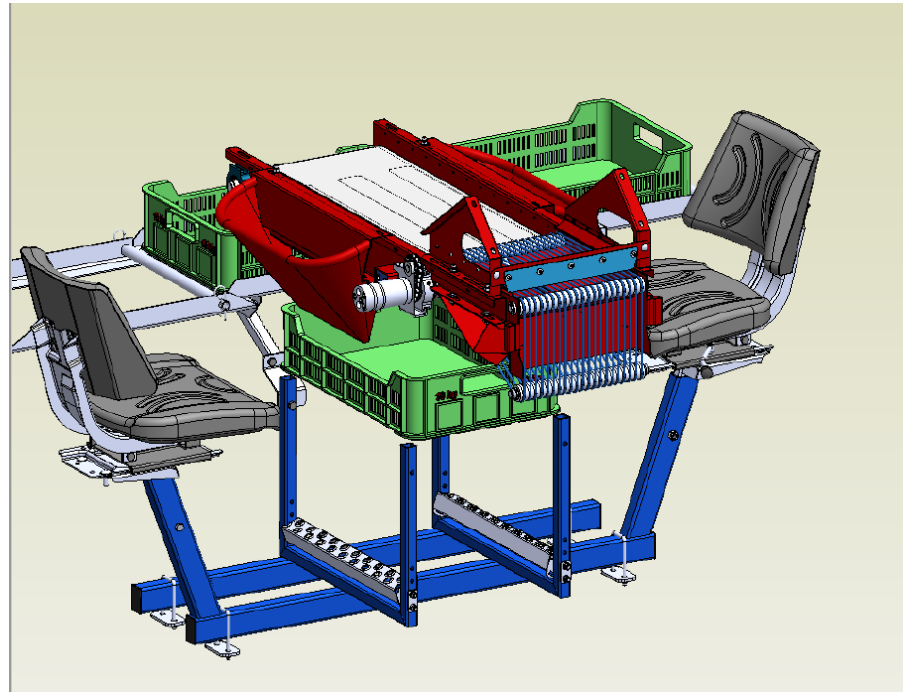
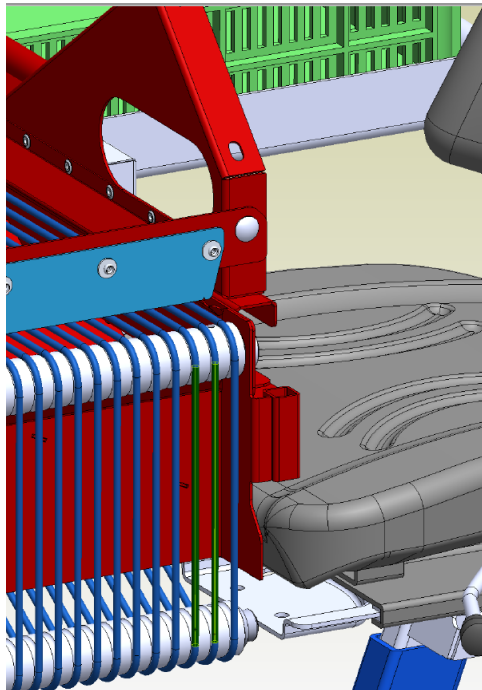
We recommend to use one shaking head for haskap and aronia . Using the stripe head that we offer for collecting haskap and aronia the shaking force can be adjusted manually.



13- The raspberry conveyor looks great, can the spacing on the blue elastics be changed, as you now berry have many variable shapes?

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Our standard spacing is of 10mm. In photos you will find drawings. We can adjust the spacing according to your needs.



**14- Can more fingers be added to the shaking head, your machine has 7**

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You can mount up to 10 shaking elements, single or double, according to your needs. Our experience shows that 10 sets are sufficient for accurate harvest.

**15- What is the minimum PTO Horse power required to operate the harvester?**

30 PTO Horse power is sufficient.

**16- Could all the hydraulics be run off pump from PTO?**

Yes, all the hydraulics can be run off pump from PTO.

**17- Can they get rid of the elastic conveyor completely and extend the regular conveyor?**

Would like to remove pre-separator (blue elastic part) and mount separating conveyor that facilitates removal of damaged fruits only. If so, yes, it is possible.

**18- What is the slope of the belt and picking head on both harvesters?**

There's additional option Hydraulic leveling wheels and it cost 1410 Euro for adjusting the harvester based on the level of ground

*Thank you*

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