



# Spirit 6200 2-row offset bunker harvester



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# AVR makes 2-row harvesting affordable!

*The AVR Spirit 6200 2-row offset bunker harvester offers potato farmers exactly what they need: a compact machine that demands little power, is extremely potato-friendly and has a high harvesting capacity.*

## ■ Reliable capacity

This compact 2-row Spirit 6200 offset bunker harvester is highly reliable because of its simple design, and performs spectacularly at the same time. The sophisticated soil separation immediately commences on the digging and sieving web. Subsequently, the efficient haulm web separates the haulm from the tubers, and an in-line pintlebelt removes any remaining loose soil and haulm from the product flow.

A 3-row rotary comb removes stones and clumps from the flow. The flat picking-off table serves as an ergonomic work surface for conducting a final visual inspection.

The product flow is then led to the spacious bunker. Once the bunker is full, it can be emptied in mere minutes using the quick unloading floor. It is precisely this performance AVR is well known for!

## ■ Potato-friendly harvesting

Offset harvesting has a number of important advantages: it causes less pressure to the ridges and fewer clumps while harvesting. The looser the soil, the easier it will fall through the sieving web and pintlebelts. The potatoes are very delicately transported to the bunker: double ridge sieving webs, PUR drivewheels, no flights between the Haulm web and the sieving web, wide pintlebelts for soft cleaning, and last but not least, the direction changes no more than two times during the processing.

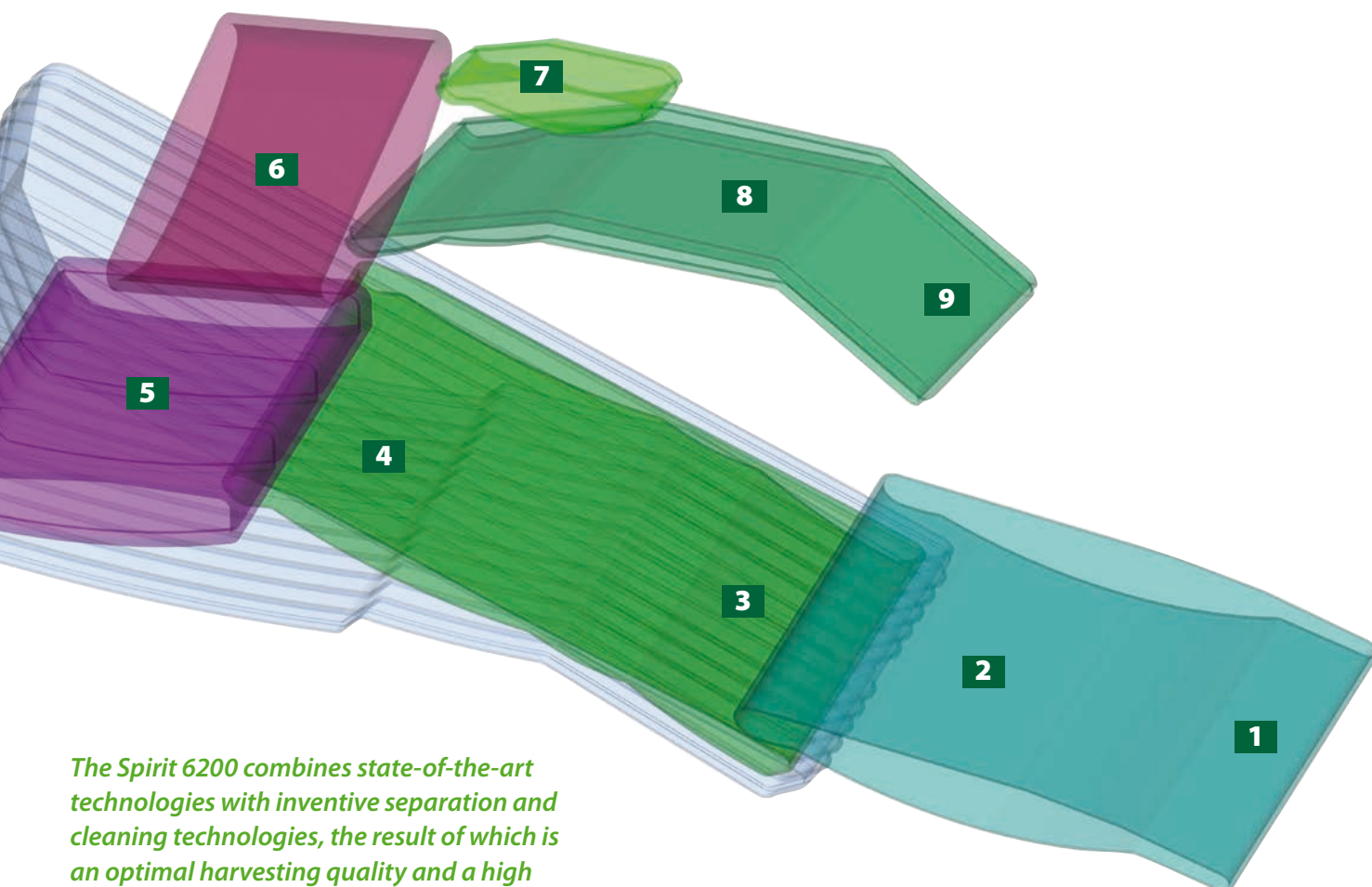
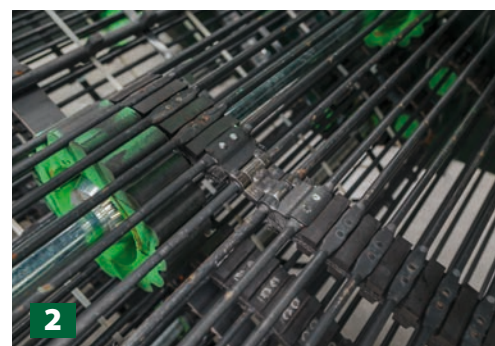




## Sophisticated harvesting concept

1. Plastic diabolos run precisely along the row and determine the harvesting depth. The plastic material reduces soil clogging and is stone-resistant. Large haulm intake rollers and cutting discs prevent haulm blockages. The harvesting depth can easily be adjusted using a central crank spindle. An accumulator and optional electro-hydraulic ground pressure control system ensure minimal pressure on the row.
2. The digging web is 1,650 mm wide and comes standard with two star vibrators that are operated hydraulically from the tractor. The web is driven by highly durable and potato-friendly PUR drivewheels.
3. The product flow falls from a minimal height onto the second sieving web, where most of the soil is removed.
4. A haulm web is mounted above the second sieving web. This web makes sure the haulm is efficiently and carefully separated from the potatoes. This system is also ideally suited for harvesting while the haulm is still green. Haulm pallets guarantee the potatoes cannot fall behind the harvester.
5. The product flow then reaches the in-line pintlebelt where soil, small clods of earth and haulm are removed.
6. The retaining rollers guide the flow to the transversal pintle belt, above which a rotary comb is mounted that efficiently separates clods and stones from the potatoes.
7. The clods and stones land on top of the discharge belt, where a collapsible platform serves as an extra control post for two persons.
8. The potato flow reaches the picking-off table, where there is room for four people to execute a final visual inspection. AVR made sure the work space is large enough to be able to work ergonomically.
9. The top of the picking-off table lowers into the bunker, where a sensor minimises the drop height.





*The Spirit 6200 combines state-of-the-art technologies with inventive separation and cleaning technologies, the result of which is an optimal harvesting quality and a high capacity.*

# Ergonomics and economics

*Our offset harvesters harvest to the right of the tractor. This is the side where the control box and joystick are mounted in the tractor cabin. This ensures the driver can clearly see the harvesting process from the cabin. The open construction of the digging unit guarantees an unobstructed view of the digging web, where obstructions hardly ever happen.*

## ■ Accurate control

Most of the functions are operated using the new joystick in the cabin. The general settings, however, must be configured by means of the control box.

The clear display shows the progress of the harvesting process and reports any failures. The machine at the picking-off table is equipped with a solid control box which can be used to set the belt speeds and inclination of the pintlebelts. The large buttons can easily be operated while wearing gloves.

## ■ Tailor-made cleaning and capacity

Need extra cleaning? The product is first sieved on the digging web. The standard star vibrators can be activated hydraulically from the tractor. The wide in-line and transversal pintle belts have a very large sieving surface. A boost function is optionally available for intensive (wet) conditions. Different options can be installed above the transversal pintle belt. Instead of the standard 3-row rotary comb arorary brushes comb (5 rows) can be mounted for use in stony regions. Furthermore a rotary comb with 2 x 2 rows (independently driven) can be installed for even more accurate sorting. If stones and clods are not an issue, the capacity can be augmented by mounting retaining rollers.



Functions: digging unit up/down, automatic functions on/off, land levelling, emptying bunker (2 speeds), steering wheels, drawbar control, star vibrator up/down, bunker up/down, emptying, pintlebelt inclination





### Large bunker

The 6 ton bunker is equipped with an unloading floor that is capable of emptying the bunker in 50 seconds.



### WB Bunker

A WB Bunker can be used to unload while driving. The harvesting process never needs to be interrupted, which means a massive increase in capacity. The three point articulation structure allows the elevator to lower deeply into the tipping trailer.

Because the bunker floor and elevator web are separately driven, the WB Bunker can be used to its full capacity.



### Less compression because of wide tyres

700/50-26.5 tyres are mounted standard on the Spirit 6200.

This ensures a minimal soil compression and a light running of the machine. Under normal conditions, a 90 hp tractor is perfectly capable of doing the job. Radial tyres from the 710 series can optionally be fitted for extra supporting power on peaty soil, for instance. Thanks to the hydraulic steering wheels, the machine is extremely manoeuvrable. The automatic reset comes in very handy for starting properly after manoeuvring on the headland.

### Default on the Spirit 6200:

- 3 speed gear-box
- PTO drive shaft 540 rpm
- independent hydraulic system with LS pump for pintlebelt, retaining roller and rotary comb drive
- wheels 700/50 - 26.5
- hydraulic steering wheels (+/- 24°) with automatic centering
- hydraulic land levelling
- automatic row following (drawbar control)
- swinging digging unit
- 4 pulled, spring loaded discs
- 2 pulled, plastic diabolo rollers
- 2 large haulm intake rollers (400 mm)
- counterpressure control on digging unit with accumulator
- digging web with PUR drivewheels
- hydraulically adjustable star vibrators
- electro-hydraulic angle adjustment of pintlebelts
- 3-row rotary comb
- picking-off table for 4 persons (900 mm wide) with control box
- discharge belt with room for 2 extra persons
- steering via CAN-bus system, with joystick and graphic display in cabin
- 6 ton bunker with double bunker lift

### Some options for the Spirit 6200:

- retaining rollers 2 x 2 rows rotary comb / brush
- universal share holder with stone protection
- extra disc on the outer right side
- maximum bunker fill (rubber sheet)
- shock absorber (crate filling) (hydr./mech.)
- automatic land levelling
- electro-hydraulic counterpressure control on diabolos
- automatic swan neck picking-off table
- electrical adjustment of rotary comb
- pintlebelt boost
- cameras
- onion picking unit
- onion harvesting unit
- carrot unit with torpedoes
- automatic sliding of bunker floor
- stone box under picking-off table
- half diabolos for bed harvest
- hectare counter

### Technical Specifications

Dim. (l x w x h)	9.83 x 3.30 x 3.80 m	Maximum discharge height	4.20 m
Inter row distance	75 - 90 cm	Required power	approx. 66 kW / 90 hp
Bunker capacity	approx. 6 tons		



*Our KEEN & GREEN quality label indicates that our machines are equipped with techniques that promote durability and ease of use.*

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■ **KEEN**

*AVR never stops innovating and designs smart machines that make your work life easier and allow you to maximize your profits.*

■ **GREEN**

*Our machines are not only called green because of their striking color, but also because of their durability. The machines consume as little fuel as possible, and their solid construction ensures a very long lifespan. This means you will have recovered the costs of your investment in no time.*



AVR bvba, with head office in Roeselare, Belgium, produces a comprehensive selection of sophisticated machines for the potato industry (and other bulbous and tuberous plants). This includes planting bed preparation, planting, ridging, haulming, harvesting and hangar storage. Our mission is to make sure that more marketable products end up in the hangar using less input. So as to be able to offer you optimal support, we invest for instance in an extensive dealer network and a strong service department. AVR employs about 130 employees internationally, has a network of 105 dealers and had a turnover of 48 million euros in 2014.



[www.avr.be](http://www.avr.be)

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