



Spirit 6200 2-row offset bunker harvester



**KEEN
GREEN** &

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.

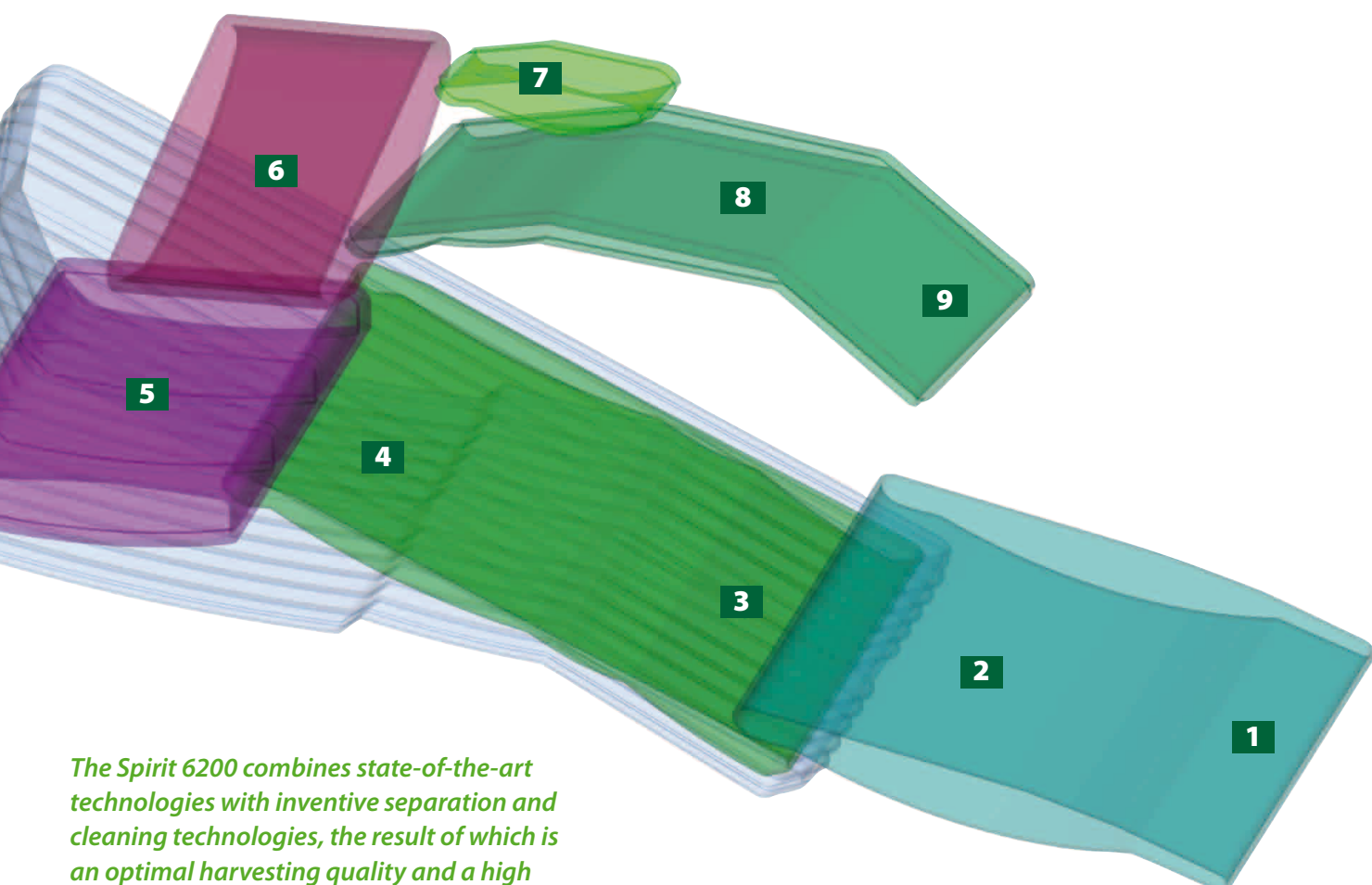
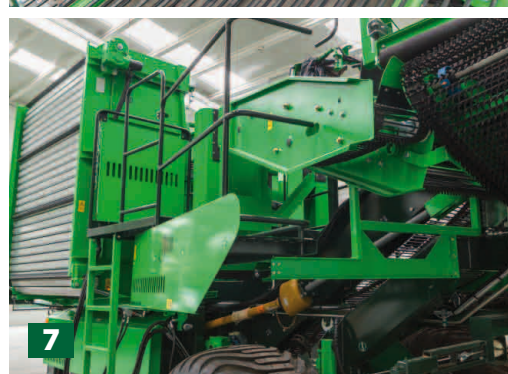
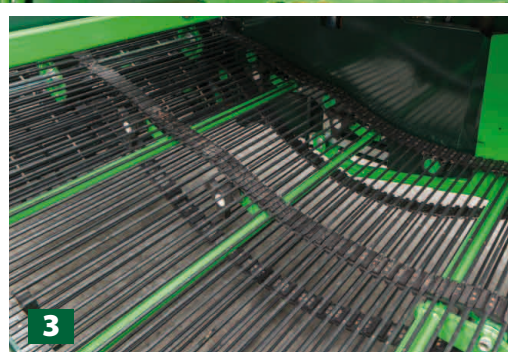
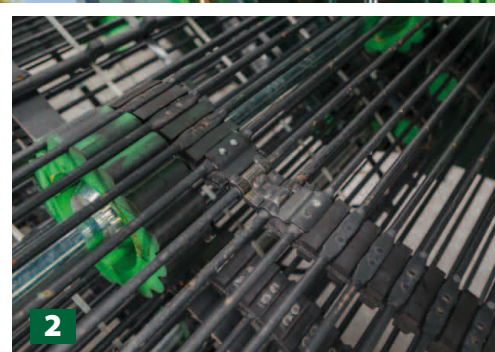




Sophisticated harvesting concept

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 arotary 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 5 minutes.



■ 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		



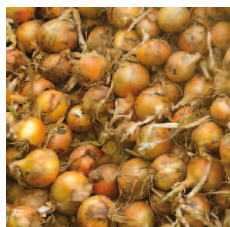
KEEN & GREEN

■ KEEN

Taking into account the clients' wishes and years of experience at AVR have allowed us to design agricultural machines that are KEEN. Concepts such as the varioweb or conducting soil preparation, planting and ridging in one go (the Multivator and Compact pioneered in this field) are definite eye-catchers. Apart from that there are also numerous well-considered details that are less visible. Examples of this are the clever positioning of the bearings of the sieving webs (low maintenance), the user-friendly operation and the relatively simple design of the machines. These features are all tailored to the clients' wishes: highly reliable and extremely profitable.

■ GREEN

Because of their striking colour, AVR machines are instantly recognizable. Apart from this aspect, they are also GREEN in all other respects. The GE Force cultivators for example are equipped with a 6-hook rotor construction. This construction generates extra capacity while significantly reducing the fuel consumption. All harvesters have an optimal harvesting capacity and use a minimal amount of fuel. These smart features guarantee that AVR machines can be considered to be your most faithful employees.



The AVR range mainly consists of machines for the potato cultivation industry. Emphasis is placed on seedbed preparation, planting, rotary cultivation, haulm topping and harvesting potatoes. However, the machines can also be used for processing and harvesting other tuberous plants. AVR produces market oriented machines. The machines are designed in close cooperation with our users and are tailored to their needs so as to contribute to the optimization of the harvesting results. The typical colour of the AVR machines is seen on the fields more each day. The number of clients who put their faith in AVR is steadily growing, and we are continuously striving to live up to their trust.



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