



**In the Spirit of quality**

**Spirit 6200**

**2-row offset bunker harvester**







## Quality and capacity: That's the "Spirit 6200" !!!

The Spirit 6200 2-row offset bunker harvester joins the Spirit family of AVR bunker harvesters. The Spirit 6200 is a compromise between the capacity and technology of the larger Spirit 8200 and a highly-compact machine. The harvesting and cleaning system of the Spirit 6200 follows the familiar AVR harvesting principle of the Spirit 8200 and the Spirit 6100. High-capacity and potato-friendly harvesting are guaranteed!

### AVR = Potato-Friendly Harvesting

The Spirit 6200 provides perfect harvesting results. The harvesting system and stone, haulm and soil clump separation techniques are developed to ensure a qualitatively superior product is received in the bunker.

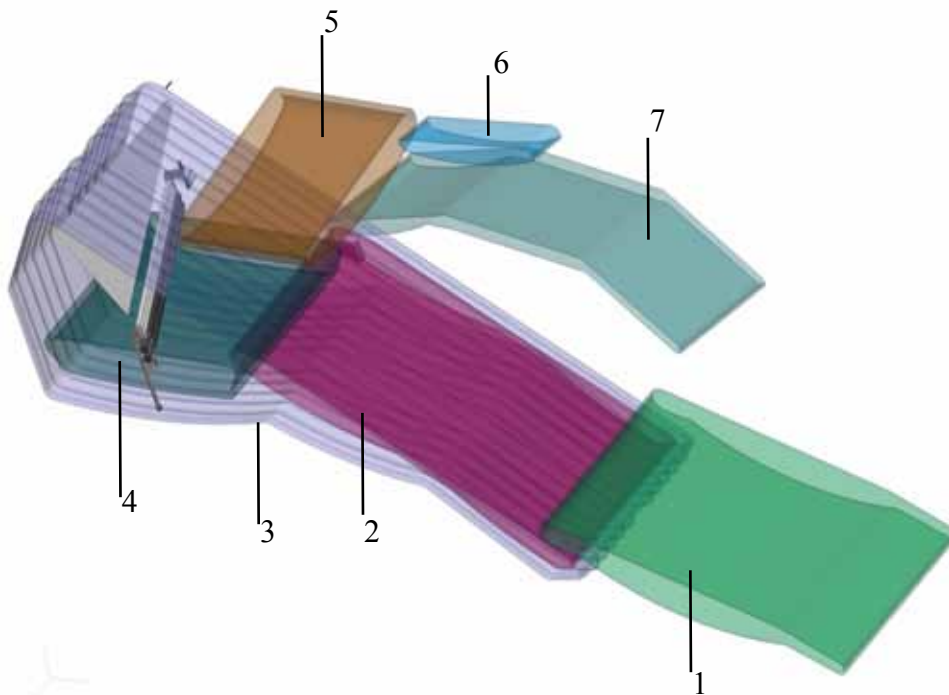
Smooth transitions, minimum fall heights throughout the harvesting process, efficient separation of the haulm by the haulm web, controllable stone and clump separation using the rotary comb...

Directional changes through the machine have been limited.

A horizontal picking-off table ensures the potatoes do not roll backwards during inspection. And it guarantees an ergonomic work surface !

The top of the picking-off table can be lowered deep into the bunker where cushioning material has been applied.

An optional shock absorber can be installed on the bunker top.



### Harvesting concept

The Spirit 6200 utilizes state-of-the-art (steering system) technology and inventive separating techniques to providing perfect harvesting quality while maximizing capacity.

Plastic diabolos on the AVR digging unit pick-up allow accurate control of the harvesting depth. The plastic material reduces soil clogging and is stone-resistant. Large intake rollers and cutting discs prevent haulm blockages. The harvesting depth can be easily adjusted using a central crank spindle. An accumulator and optional electro-hydraulic ground pressure control system ensure minimal pressure on the ridge.

The potatoes land on the digging web (no. 1). This 1,650 mm wide web is equipped with an agitator and driven by highly durable and potato-friendly PUR-drive wheels.

The potatoes are then transported to the 2nd sieving web (no. 2) mounted under a haulm web (no. 3). This is a very product-friendly and efficient way of removing the haulm. This system is therefore also perfect for harvesting while the haulm is still green.

The product flow then continues to the in-line pintle belt (no. 4) where the soil, small clumps of earth and the haulm are removed under retaining rollers which direct the flow toward the transversal pintle belt (no. 5) A rotary comb positioned above the transversal pintle belt ensures the clumps of earth and stones are efficiently separated from the potatoes.

The clumps and stones fall to the discharge belt (no. 6) and the potatoes move to the picking-off table (no. 7). Here, a last visual inspection can be completed.







## Horizontal picking-off table

We employ the highest ergonomic standards for operators conducting the final inspection of the potatoes on the harvester or removing any remaining haulm, soil clumps or undesirable potatoes from the product flow. For this reason, we have incorporated a horizontal picking-off table.

This also provides more space on the platform. Up to 4 people can work from the picking-off table and an additional 2 from the discharge belt.



## Joystick control

The machine is easy to operate. The most common actions are controlled using a joystick (raise/lower digging unit, drive wheels, level, drawbar control and bunker operation).

The remaining functions can be operated using a neatly arranged instrument panel. Clear symbols allow for extremely intuitive operation.



## Land-levelling

Hydraulic level control is standard on the machine, however optional automatic control can also be provided.

This optional automatic control ensures continuous maximum sieve capacity.

## Stone separation

The rotary comb located above the transversal pintle belt provides an efficient separating system for soil clumps and stones. Harder stones and clumps pass through the fingers and fall onto the discharge belt where an additional inspection can take place and small potatoes can be placed back on the picking-off table. The potatoes are evenly distributed on the picking-off table.

A brush can be installed for conditions where a large number of stones are present. Instead of 3 rows of fingers, 5 rows of brushes separate the stones from the potatoes. The principle, however, is the same.







## Standard machine:

- gearbox
- PTO shaft 540 rpm
- own hydraulic system with LS pump powering the pintlebelts, the deflecting rollers and rotating fingercomb
- tyres 700/50 - 26.5
- hydraulic steering wheels with oil brakes and automatic self-centering
- hydraulic landlevelling
- automatic lane steering (drawbar)
- oscillating digging unit
- 4 trailed, spring loaded discs
- 2 trailed plastic diabolos
- 2 big haulm intake rollers (400 mm)
- counterpressure control on digging unit with accumulator
- Diggerweb with PUR drive
- hydr adjustable vibrators (2) from cab
- elektro-hydraulic adj inclination of both pintlebelts
- 3 row rotating finger comb
- PO table for 4 persons with control box, warning signal and emergency stop
- trash web with picking off facility for 2 persons
- CAN-Bus control with joystick and control screen
- 6- tons bunker



## Technical specifications

Dimensions (lwxhxh)	9,83 x 3,30 x 3,80 m
Row distance	75-90 cm
Bunkercapacity	ca. 6 tons
Max. discharging height	4,20 m
Required power	ca. 66kW / 90 hp



## Options

- deflecting roller iso fingercomb
- universal shareholder with stone security
- extra disc outside right
- bunker optimizer (rubber)
- fallbreaker at bunkerend (for filling boxes (mechanical / hydraulic))
- oignon loading set
- oignon harvesting set
- carrot equipment with torpedo's
- automatic landlevelling
- electro-hydr counterpressure control on diablo
- automatic swanneck (PO in bunker)
- pintlebelt boost
- camera's

AVR bvba  
 Meensesteenweg 545,  
 8800 Roeselare, Belgium  
 Tel. +32 (0)51 24 55 66  
 Fax +32 (0)51 22 95 61  
 E-mail info@avr.be  
 Internet www.avr.be

## AVR

AVR has, for years now, been a leading and trend-setting supplier of equipment in the domain of the potato production. Great emphasis is placed on seedbed preparation, rotary cultivation, haulm topping and potato harvesting. Nevertheless, it goes without saying that AVR provides similar services for other tuberous plants. AVR has made its mark in this industry thanks, mainly, to continual product innovation and its close collaboration with end users. This is the reason why we are able to produce equipment that is market-oriented. We deliver machines that are expressly tailored to suit the needs of the modern arable farmers. As a consequence, we help them optimize their operating yield.



Dealer :