



SPIRIT 9200i

2-ROW OFFSET BUNKER HARVESTER

The Spirit 9200 had already set a new standard for 2-row offset bunker harvesters. AVR had improved its well-known Spirit line even further to accommodate the highest segment in potato harvesting. Greater flexibility, capacity and comfort: all at your fingertips thanks to the fully hydraulic drive system and cross-roller set as an additional cleaning module. All of this was, of course, developed pursuant to the AVR philosophy, in which potato-friendly harvesting is our highest priority.

In line with the successful concept of the Spirit 9200, the Spirit 9200i offers a number of important upgrades in the area of control, traction, haulm web, pintle belt module, cross-roller module and the Clean & Go bunker.



THE ULTIMATE VERSION OF A PIONEERING MACHINE!



ISOBUS

The machine's drive system is compatible with ISOBUS. This means that the machine can be configured via the ISOBUS-compatible display screen of your choice. AVR can offer you a Müller Touch800 or Smart570 screen for this purpose. The machine also comes with an ergonomic AVR joystick as a standard, and thanks to the ISOBUS-AUX system, various functions can also be controlled via your tractor joystick. Clear icons and intuitive menus, supplemented by the automatic functions of the machine, all serve to optimize the user-friendliness of the Spirit 9200i.



1

Ease of use

User-friendly ISOBUS control and operation of the traction via the supplementary keypad.

2

Clean & Go

Large 8 ton bunker with extra cleaning.

3

Easy accessibility

Open construction of the machine.

4

5

Potato-friendly

The cross-roller module precludes additional directional changes for the additional separation of stones and clods = gentle treatment, yet adequate cleaning.

6

7

Traction

- Even more powerful: up to 120 hp on the rear axle
- ISOBUS automatically detects whether the machine is being driven forwards or in reverse
- Easy to control via the supplied keypad

8

Capacity

High harvesting capacity & cleaning capacity in combination with a low weight.



AVR Connect

The Spirit 9200i can be fully monitored remotely, online. An AVR Connect account allows you to monitor data in relation to the work you have performed, sensor data, alarms and yield data. Even remote diagnostics are possible for even better support from your dealer or AVR.



Tracking alarm signals remotely, minimising machine downtime



Data exchange



Real-time position and route (on and off of the field)



Remote diagnosis

EXCEPTIONAL CLEANING CAPACITY



(Clean & Go) bunker

The Spirit 9200i is equipped with a bunker with a capacity of just over 8 tons. The unloading height can be adjusted up to 4.20 m, for which a hydraulic collapsible shock absorber or crate-filling funnel is available.

A Clean & Go bunker is also an option. You can opt for the best of both worlds: a buffer for 8 tons of potatoes, additional sieving capacity and no need to stop the machine in order to unload the bunker!

Cross-roller module

A cross-roller set for the pindle belt unit significantly increases the machine's cleaning capacity - without any need for additional directional changes in the machine. This is unique in the market.

The cross-rollers efficiently remove loose soil, clods, and smaller stones from the product flow, thus relieving the pressure on the pindle belts and allowing them to remove the remaining loose soil and haulm more efficiently. The position, speed and rotating direction of the smooth rollers can be adjusted on the display screen via a handy widget. The last roller of the CR module has also been fitted with rubber and, in combination with a brush bar, serves as an efficient haulm roller.

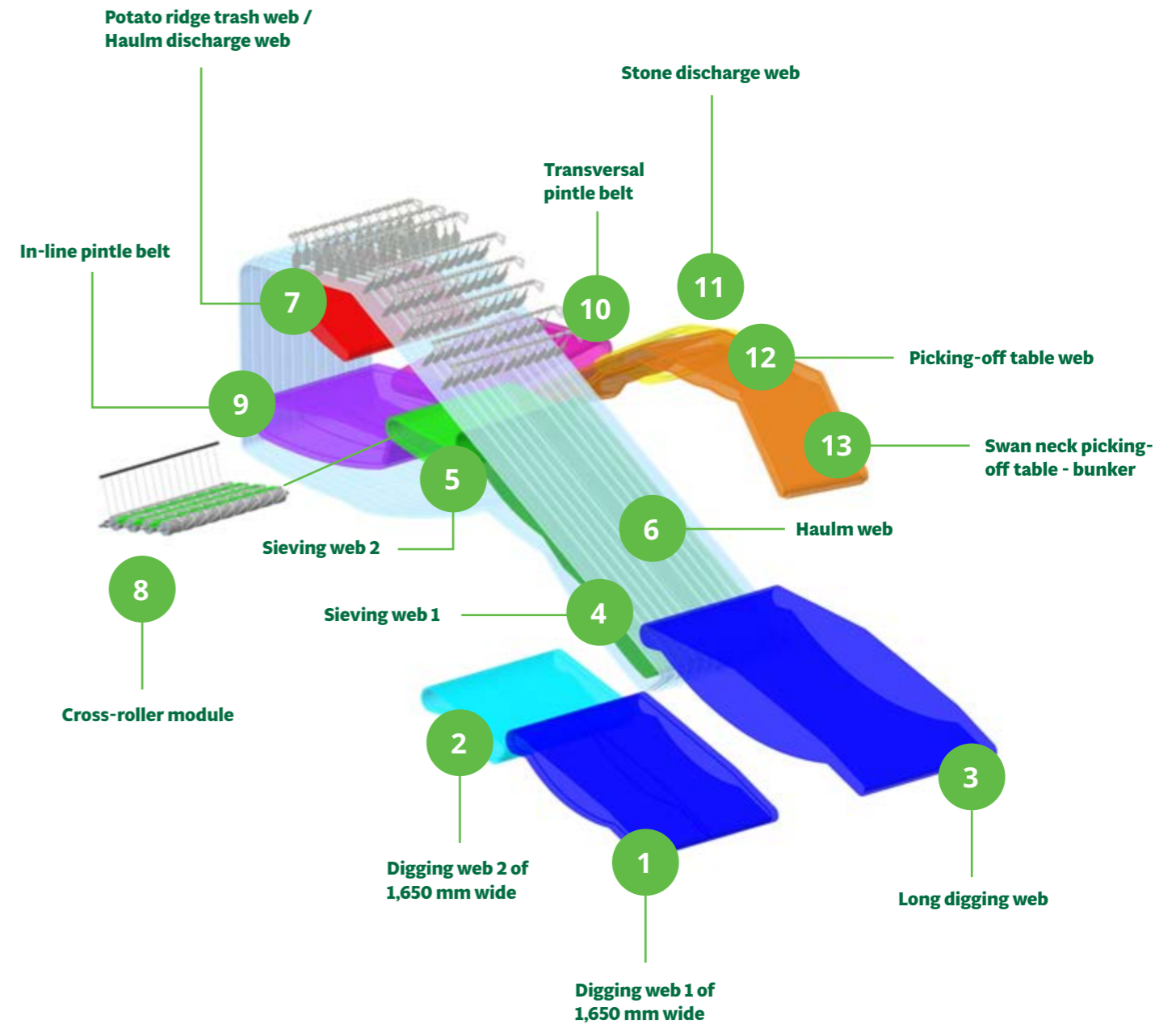
The cross-roller module's seemingly infinite adjustment options allow the digging unit to be used in every situation.

Pindle belt module

The pindle belt module to the rear of the machine is fully adjustable in terms of incline and guarantees full control over the product flow under all circumstances: regardless of whether you are working on a slope or a flat surface, or on light or heavy soil. The product flow on the in-line pindle belt is guided via the triple retaining roller - which is height adjustable - to the transversal pindle belt equipped with two 2-row rotary combs. This is where stone and clod separation takes place before the final inspection on the picking-off table.

The new, hydraulically collapsible retaining roller on the transversal pindle belt can be operated from the cabin. This means that obstructions can easily be avoided, even in the most difficult sections of your plot.

FOLLOW THE POTATO FLOW



Dim. (l x w x h) (m)	11.70 x 3.30 x 4.00
Inter row distance (cm)	75 - 90
Bunker capacity (tons)	> 8
Weight (kg)	11,495
Maximum discharge height (m)	4.20
Required power	approx. 120 kW / 160 hp



Sieving capacity / drop heights

The up to four sieving webs for the pintle belt module ensure maximum sieving capacity. Either two short digging webs or one long digging web can be attached to the front of the machine. An additional digging web – and therefore one more drop – significantly increases the machine's sieving capacity. If the soil can be sieved easily and for the gentlest treatment, a single long web is the best option.

You can attach a soft sieving web fitted with rubber directly in front of the pintle belt module, or you can opt for a cross-roller module for additional cleaning capacity. Drop heights are kept to a minimum throughout the machine. Because the haulm and sieving webs are so close to one another, the drop height from the digging to the sieving web is limited to the greatest extent possible. Thanks to this mechanism, the AVR Spirit 9200i guarantees the lowest drop heights on the market, with a 33% margin on the closest competitor.



Haulm

The primary haulm separation system is a combination of the sieving web and the haulm web. A set comprising two rows of retainers and another set comprising three rows of retainers mounted above the haulm web ensures that the potatoes stay in the machine. These sets are individually adjustable in height, and the rows of retainers have been mounted to ensure an adequate distance in between the rows to optimize the machine's separation capacity. In the event of an accumulation of haulm, the frames of the rows can be folded upwards.

Another three rows can be added at the top of the machine. A closed conveyor is located underneath the haulm web that discharges the haulm and allows any potatoes that have accidentally been carried along with the haulm to roll back into the machine.

Extra haulm separation

The third sieving web or the cross-roller set increases the separation surface (haulm web) for long haulm or weeds from the product flow. This is of crucial importance, considering the current trend which favors high-yield varieties with a lot of sturdy haulm.

The further development of the cross-roller module with a haulm roller makes it easier to process any short stalks that slip through the haulm web.

READY TO TACKLE ANY HARVESTING JOB



Fully hydraulic drive system

All cleaning modules are driven by a four-pump hydraulic drive system. This ensures full control over the harvesting procedure: the speed of the digging web(s) can, for example, be set independently from that of the haulm and sieving web. The machine's settings can therefore be adjusted optimally. Aside from this, you will benefit from numerous automated functions, such as the automatically adjusted drive speed, as well as the automatically set intensity of the agitator system in the digging web, which will vary depending on the load.

Tires

The Spirit 9200i is equipped with 850/30.5 tires by default. This ensures minimal soil compression and a machine that is easy to tow. An optional double air tire can be mounted on the left side for efficient open harvesting. Radial tires and hydrostatic wheel drive are available for less supporting soils.

Traction

Hydrostatic wheel drive is available optionally. An additional hydraulic pump drives a 2815cc wheel motor on the right wheel and a 1745cc wheel motor on the left wheel. Consequently, the rear axle is provided with a traction capacity of 120 hp. The traction system – which is even more powerful than in the previous model – also excels in terms of user-friendliness: it can be operated via an intuitive supplementary keypad, while the ISOBUS control automatically detects whether the machine is moving forwards or backwards.

Picking-off table

The large picking-off table offers enough space for six people to perform a final inspection. All the settings for the cleaning modules can be operated from the picking-off table via the convenient keypad.

Digging unit

An optimum intake is a determining factor for the quality of the harvested product. Stable depth control, efficient pressure relief of the ridges and haulm processing capacity are all crucial factors in this. The standard AVR digging unit, with its large cutting discs (660 mm) and haulm intake rollers, plastic diabolos and hydraulic pressure relief offers all of the above.

Large driven discs (900 mm) are also available for more challenging conditions. If you do not want to exert any pressure on the ridges at all, ACC depth control is the perfect solution. A sensor travels across the ridge and controls hydraulically driven depth adjustment wheels.

The digging unit can easily be removed and replaced. In addition to the potato digging unit, the machine can be supplied with quick-change digging units such as an onion windrow digging unit (two types) and a "universal" digging unit for other crops, such as red beets. The latter would then require the use of depth adjustment wheels and a wide harvesting share.



SOIL CULTIVATORS



POTATO PLANTERS



HAULM TOPPERS



HARVESTERS



CROP HANDLING