



VARITRON 470

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Self-propelled harvesters excel with the perfectly matched combination of performance, driving comfort and manoeuvrability. The resulting harvest reliability, even under the most difficult conditions, plays a decisive role in many cases. With the VARITRON 470, GRIMME offers a 4-row self-propelled harvester which can be equipped with an extensive range of separators. The VARITRON 470 achieves a high degree of manoeuvrability thanks to its wheeled chassis, which is fitted with large-volume tyres as standard and gives extreme soil protection in all conditions. The 7 ton bunker is used the whole time with effective capacity thanks to the rotating bunker web. A large number of automatic features for the harvesting process, which can all be conveniently controlled from the premium cabin, ensure a maximum working and driving comfort.

The connection to myGRIMME facilitates the storage and retrieval of machine data and task data. And, thanks to the SmartView video system, you always have an overview of the most important machine functions.



The cabin

The cab is equipped with 6 LED working lights, heating, air-conditioning, outside mirror heated, electrical adjustable and pneumatically foldable.



CCI 1200 operator terminal incl. operator panel GDI

The large CCI 1200 operator terminal ensures convenient and intuitive operation. Optional ISOBUS applications can also be integrated.



Mapping of gross crop weight

The system records yield differences within the field and documents the crop yields on a site-specific basis. Problem areas within the plot can be localized and logistics planning can be optimised. Measured values can be saved and transferred in ISO-XML format on a USB stick or wirelessly via myGRIMME.



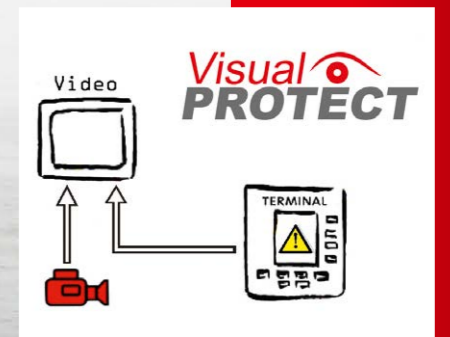
"See - What you want and How you want it"

Thanks to the SmartView video system with up to 13 cameras, all relevant functions remain permanently in view. With many functions, such as live slow motion, the large display can be freely customized. All-round visibility in the dark is also significantly improved by the new LED ambient lighting.



Visual Protect Pro

The cameras switch automatically based on events such as the adjustment of a separator or a malfunction in a separator. The system automatically detects relevant events during harvesting and displays the corresponding camera image on the monitor. There is no need to switch manually from camera to camera. Visual Protect PRO thus reduces the risk of damage to crops and machinery.





Attachment of a haulm topper

Optionally, the machine can be equipped ex works with a front lifting mechanism for a haulm topper for optimum harvest preparation. Pre-chopping the haulm significantly increases the harvester's throughput, as the haulm is already shredded and can therefore be separated more easily. In addition to the haulm topper, a ridge crowner can also be installed for harvesting carrots.



Maintenance position

Safe and ergonomic work on the lower side of the haulm topper is achieved with the new, integrated maintenance position by folding the haulm topper upwards. The haulm topper's increased lifting height improves manoeuvrability and overview in narrow yard and field entrances.



The perfect intake unit for every requirement

Thanks to the wide range of available intake units, a variety of soil conditions and crops can be harvested with the same machine.



Intake units for potato harvesting

Available intake units for potato harvesting: Standard diablo rollers, half diablo rollers, conventional share blades and share plates made of plastic material.



Intake units to harvest vegetables

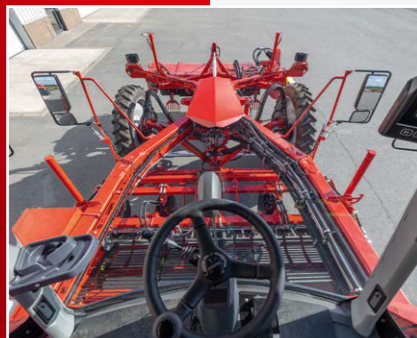
For vegetable harvesting, the following intake units are also available: Intake paddle, brush web, finger-shares and a full width share blade.





Depth control with TerraControl or TerraDisc

The intake unit is controlled by TerraControl, which keeps the ridge pressure and digging depth constant. The diablo rollers are supported by two hydraulic cylinders with integrated position measuring systems, which register deviations in the ridge height and transmit the signal electrohydraulically to the left or right cylinder of the swing frame.



Maximum working comfort

The cab impresses with its unique spaciousness, an unobstructed view of the haulm topper and the intake, as well as an air-conditioned driver's seat. Thanks to the optimised noise insulation, the cab is one of the quietest cabs on the market.

High ground compaction protection and manoeuvrability

The large dimensioned tyres ensure a high degree of ground protection and the steering angle of up to 63° enables high manoeuvrability on the headland. For the smallest possible turning circle, the wheels of the rear axle can be turned by +/- 20°.



Telescopic front axle on both sides

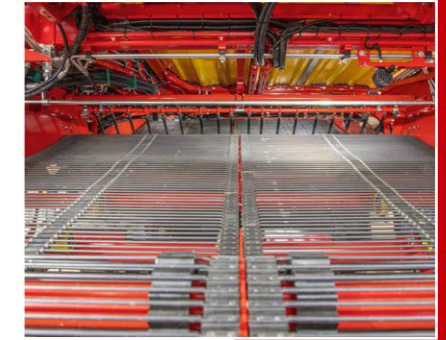
By telescoping the two wheels on the front axle, the track width can be adjusted from 3.0 m to 3.6 m.





Variability of the main web pitch

A pitch between 35 mm and 50 mm can be selected for the intake web. For the first and second main web, pitches of 28 mm and 32 mm can also be configured. For harvesting carrots in particular, so-called karowebs with a pitch of 45 mm to 64 mm are available. In addition all main webs are reversible.



Separators

The VARITRON 470 can be equipped with either a roller separator or a MultiSep behind the second main web. Optionally, a TwinSep can be used to bridge the roller separator. The VARITRON 470 TT also offers the unique Double-MultiSep as an option.



Vario Roller separator

Always the right setting for changing harvesting conditions. The centre distance between the spiral and plain coils can be adjusted comfortably and infinitely from the cab during harvesting with the Vario-RS.



Fine haulm elevator

The option of using two fine haulm elevators ensures precise and clean separation between the crop and the haulm. This configuration offers increased efficiency, even under demanding harvesting conditions.



Elevator web

There are two versions of the elevator web to choose from. On the one hand, the elevator can be equipped with GRIMME-OptiBags (a perforated conveyor), which offers additional sieving performance. Alternatively, an elevator web with canvas can be selected, which is characterised by its high level of crop protection.





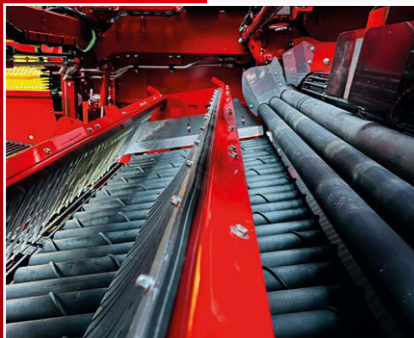
Automatic bunker filling

The automatic bunker filling system ensures a consistent, low drop height and thus high crop protection. As soon as the bunker filling elevator has reached its maximum height, the bunker floor conveyor is pulled forward until the filling optimisation has reached its end position.



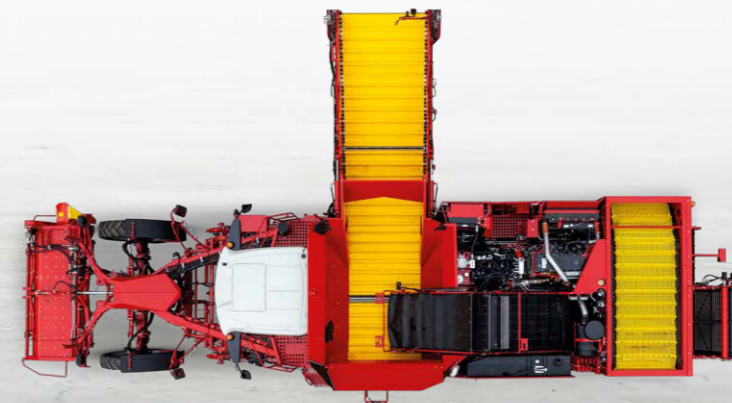
Optimal separation performance

Thanks to the possibility of using various separators, the machine can be flexibly adapted to the specific requirements and harvesting conditions. This versatility not only ensures optimum performance, but also high efficiency and adaptability in a variety of application scenarios.



7 t NonstopBunker

The patented, completely circulating bunker floor enables fast, gentle overloading without stopping during harvesting. This can reduce downtime and significantly increase efficiency.





NEW



VARITRON 470 XL



Nonstop Bunker XL

The newly developed NonstopBunker XL for the VARITRON offers a volume of up to 13 m³. Depending on the crop and the amount of impurities, this corresponds to a capacity of 9-11 tonnes. The unloading elevator is 1.6 metres wide. The hopper extensions can be folded hydraulically for road travel. After each unloading, the NonstopBunker can be refilled completely without stopping.



New milestone to operate the MultiSep

On machines with MultiSep and Heavy Duty drive, it is now also possible to adjust the distance and height of 2 pairs of rollers separately.

Quick access to the bunker

The bunker is very easily accessible for daily cleaning work via the entrance door next to the cabin. The large windows provide the driver with a perfect view of the bunker.



Always the best overview thanks to SmartView

The system has significant features including a zoom and slow motion function, live image transfer on mobile devices via WiFi, the choice of various window arrangements as well as the largest display on the market.





Large contact area

The large contact area of the rear axle tyres prevents soil compaction. With Michelin CEREXBIB 2 900/60 R32 tyres, the NonstopBunker can also be equipped with a bunker extension.



Hydrostatic wheel drive

The hydrostatic single-wheel drive incl. traction control (ETC), ensures that the traction for each individual wheel is controlled according to soil conditions. This ensures optimum traction even in adverse conditions.



Rubber tracks for protection against ground compaction

Optionally, the VARITRON 470 can also be equipped with a rubber tracks to ensure reliable harvesting and maximum soil protection even in adverse and wet ground conditions.



Auto pilot

The intake is aligned with the automatic steering of the front wheels in the middle of the ridge. This ensures more precise driving with less risk of damage to the crop. This relief allows the driver to monitor the machine functions more effectively.



Automatic greasing system

The central lubrication system facilitates maintenance work by supplying lubricant to all high-demand lubrication points on the machine. The lubrication intervals are controlled electronically.



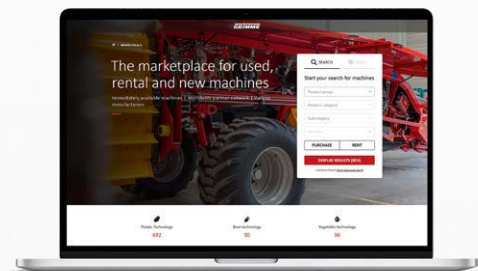
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