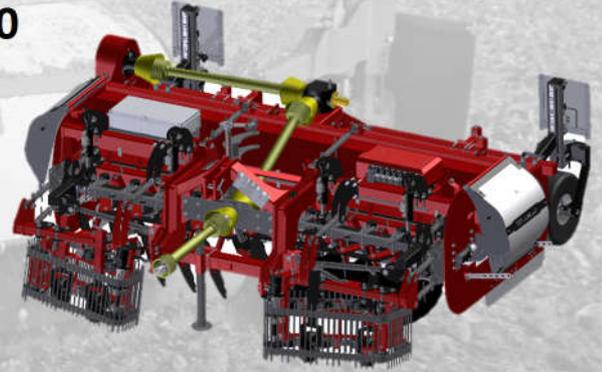




VSS AMAC Front onion harvester 3000

“Capacity by innovation”



VSS AMAC FRU 3000

The VSS AMAC 3 meters front onion harvester (FRU) is the newest development in the onion harvesting scene. Both the cutting of the leaf and the harvesting of the onions happens in front of the tractor. This front onion harvester is designed as compact as possible. The machine tops the leaf by use of a topper shaft. The topper shaft separates the leaf from the onions and throws it on the conveyor belt. The conveyor belt is hydraulically driven and can therefore be driven to both the left and right side. The depth probes for the automatic depth control are mounted in front of the machine. The auto depth control ensures the right cutting height of the topper.

The harvesting of the onions is done with ten harvesting discs. Optionally a eleventh disc can be mounted in the middle. The harvester is integrated as a sub assembly into the machine. The harvesting depth of the harvester is independently adjustable of the topper. The harvester has two fields of discs of which the depth is independently adjustable. Optionally automatic depth control can be fitted on the two disc fields. The fields runs on two farmflex wheels, which ensures a constant harvesting depth. Also the pitch of the mutual discs is adjustable, which makes the machine fit for harvesting various crops.

The big harvesting discs are slightly serrated, which helps them to guarantee rotation. The fields are hydraulically adjustable in height, which makes it possible to give pressure on the discs. This ensures the rotation of the discs in heavy conditions even more.

The topping and harvesting of the onions happens with a working width of 3 meters. On the sides of the machine two racks are mounted which force the outer rows of onions to the inside. That way the onions form a swath between the tractor wheels. Because of this, wide tractor wheels can be used. Optionally two hydraulic driven vertically mounted conveyor webs can be applied to drive the onions to the centre.

For optimal results a trackwidth of 2 meters is recommended.



Features FRU 3000

- Automatic depth control on onion topper
- Leaf discharge possible to both the left and right
- Harvest independently adjustable in height
- Wide wheels applicable
- Two independent and adjustable harvesting fields
- Very good operation under all circumstances

Options FRU 3000

- Automatic depth control on the two harvesting fields
- 11th harvesting disc in middle of fields
- Centre drive by hydraulically driven vertical webs



Flail axle and conveyor belt



Harvesting discs

Technical specifications

Type	FRU 3000
Track width	3,0m
Working width	3,2m
Main drive	PTO 1.000 rpm
Drive flail axle	Mechanical
Drive conveyor belt	Hydraulic
Total width	3,45m
Total length	3,1m
Total height	1,5m
Mass standard version	2690 kg
Mass inc vertical conveyor webs	2850 kg



Centre drive by hydraulically driven vertical webs

VSS AMAC VRU 2250

The onion topping and harvesting of the onions on a working width of 3m happens in front of the tractor. It's recommended to add a VRU 2250 with digging shaft on the rear of the tractor for extra sieving capacity. The machine lifts the onions and sieves the soil from them. The VRU is fitted with two webs and driven cutters, two conveyor belts put the onions in a windrow. Optionnaly, side discharge is also possible.

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