

# Wasa 300<sup>+</sup>

## Mechanical Sweeper



## Product Description

The powerful Wasa 300<sup>+</sup> is a mechanical trailer sweeper with a large pick-up capacity. The basis for the new concept was the predecessor model Wasa 300. Target groups are service contractors and agricultural traders in machinery cooperatives. The basic operation is the removal of heavy dirt accumulations on roads after the agricultural work has been done (e. g. after the maize harvest). A further trend is that contractors work for municipalities with increasing frequency.

The highly efficient machine consists of the following core elements: Hopper, plastic water tanks, disk brushes and roller broom, elevator, and control unit. The two disk brushes fitted laterally in front of the axle convey the sweepings towards the roller broom fitted at the rear. From there the sweepings are transported over a largely dimensioned elevator into the hopper.

Thanks to their special towed suspension, the disk brushes offer an optimum adaptation to the ground surface, so that the sweeping unit optimally follows the road contour. The two disk brushes and the roller broom are positioned in an overlapping way, so that no stripes of dirt remain on the ground. The geometrically optimized arrangement of the elevator allows a high throughput and a high sweeping performance, the sweepings being delivered into the hopper without any residuals left.

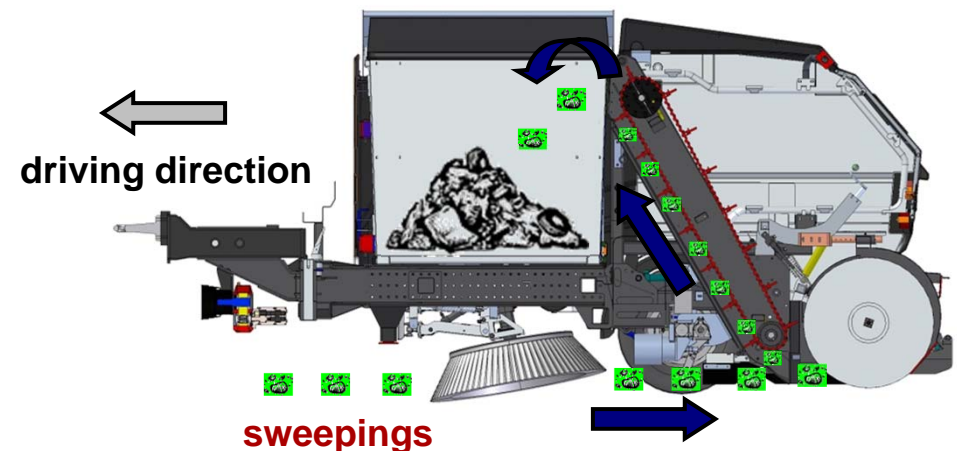
All sweeping functions can be comfortably controlled via a modern control panel with TFT colour and graphic display from within the driver's cabin of the towing vehicle. Thanks to the choice between top and bottom attachment and the comparably small driving power required, the Wasa 300<sup>+</sup> can be flexibly attached to various towing vehicles.

## Innovation

Optimization of the work performance due to mechanical sweeping

With the new concept of the Wasa 300<sup>+</sup> the following issues have been particularly taken into consideration: Optimization of the work performance, reduction of the environmental damage, work simplification, and maximum flexibility.

1. High efficiency: Extreme throughput and thus extremely high pick-up capacity, even with large amounts of dirt, with a speed of up to 20 km/h.
2. Optimum sweeping result due to optimized sweeping technology with new roller broom cover.
3. Sole fast-running machine on the market with a travel speed of 80 km/h.
4. Optimum design of the hydraulic system – completely new PTO drive with considerable reserve capacity.
5. Multi-functional use of the towing vehicle (tractor) and thus hardly any downtimes.



## Innovation

### Reduction of environmental damage

With the new concept of the Wasa 300<sup>+</sup> the following issues have been particularly taken into consideration: Optimization of the work performance, reduction of the environmental damage, work simplification, and maximum flexibility.

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1. Dust suppression: The Wasa 300<sup>+</sup> is the only machine on the market, which meets the criteria of the PM10 test. With 3 stars the machine meets the requirements on their highest level and is thus convincing with a very low fine dust pollution.
2. The hydraulic system is also suitable for operation with biooil.



# Innovation

## Work simplification

With the new concept of the Wasa 300<sup>+</sup> the following issues have been particularly taken into consideration: Optimization of the work performance, reduction of the environmental damage, work simplification, and maximum flexibility.

1. Operation from within the driver's cabin via a modern, intuitive control panel (modern CAN control). Automatic functions for quick and easy working.
2. The slender execution of the drawbar allows a high manoeuvrability with large angles of lock.
3. The drawbar, which can be hydraulically swivelled to the left and right side, facilitates the cleaning of the gutter (operation via control panel from within the driver's cabin).
4. The hopper optimized in its shape and with smooth inside walls allows a reliable and complete discharge.

## Maximum flexibility

1. A Europe-wide type approval is available.
2. The sweeper can be attached to various towing vehicles (choice between top and bottom attachment and small driving power required).

## Technical Data



1	Hopper capacity:	3.0 m <sup>3</sup>
2	Total capacity water tanks:	1,100 l
3	Sweeping width:	2,400 mm
4	Sweeping speed:	Up to 20 km/h
5	Travel speed:	40 / 50 / 80 km/h
6	Drive:	Vehicle PTO (540 rpm)
7	Recommended driving power:	From 50 kW (70 HP)