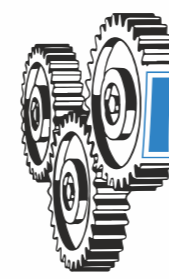


*Often copied,  
but never equaled!*



**K. Wallner**  
Maschinen- Bau und Handel

Your innovative German manufacturer  
of multifunctional harrows with  
production experience since 2002.



### Specifications/working width

The Wallner StrawMaster (WSM) has a robust design to meet all requirements.

All units with 3-point attachment	Working width	Number of teeth of the 5-row unit	Approximate weight in kg	Power required depends on the site
One-piece unit	3,00 m	25	~ 700	from 60 HP/44 KW
Hydraulically folds in 2 times	6,00 m	50	~ 1800	from 120 HP/88 KW
Hydraulically folds in 2 times	7,20 m	60	~ 2000	from 160 HP/118 KW
Hydraulically folds in 3 times	9,00 m	75	~ 2400	from 210 HP/155 KW
Hydraulically folds in 5 times	12,60 m	105	~ 3000	from 300 HP/220 KW

- Load center close to the tractor, stable square frame.
- The harrow fields are not welded to the main frame but flanged.
- The teeth are made of 16 mm spring steel with a total teeth length of 84 cm.
- Hydraulic teeth angle adjustment - from simple sliding to deep plunging.
- Protective bushings on the threaded connections of the studs.
- Lubrication nipples on fasteners and joints
- Locking safety catch and more.

#### Additional options:

- Illuminators with warning signs.
- Can be retrofitted with a field cutting roller with a bridge between the main frame and the harrow body.
- Cutting disks as teeth attachments
- Teeth guard for road travel.
- Leveling bar
- Removable seed tank for sowing

*We would be happy to inform and advise you about the various possibilities of using our harrow.*

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Sales partner:



## Wallner StrawMaster (WSM) Multifunctional harrow





**PATENTED!**



"Harrow Scratcher" cutting disks as teeth attachments - better cutting effect, e.g. for seedbed preparation in spring.



„Harrow Disc“



Additional option: "Harrow Carrier", for shallow scouring as an attachment to the harrow teeth - the teeth can be adjusted from deep plunging to light scouring.



Standard with check valves on double-locking hydraulic cylinders. Optional protective cover for the teeth when driving on public roads.



...also available with a Wallner harrow/knife roller.

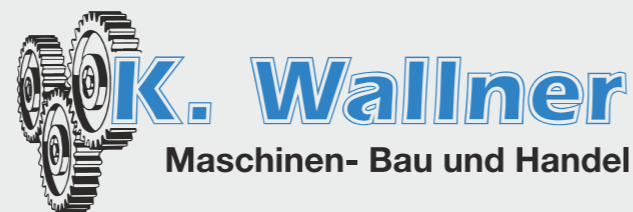


**Optional:  
pneumatic spreader**

- different structures are available;
- for sowing intercrops or reseeding pastures.



Hydraulic teeth angle adjustment - from simple sliding to deep plunging.



[www.wallner-maschinen.de](http://www.wallner-maschinen.de)

The harrow is most often used to spread straw after threshing with the combine at 20° to 30° angle relative to the sowing/threshing direction. Several passes with the harrow, ideally at intervals of 8 to 10 days, will give the best results. Distinctive features of the harrow are the large area output due to the large working width, the high speed of up to 25 km/h and above all the low diesel consumption of 1.5 to 3 L/ha. The harrow cultivates the ground superficially, the harrow teeth drag on the soil surface. The stalk bends and the straw collected between the harrow teeth is pulled behind it. Due to the arrangement of the teeth, it is released again in the headlands where there is little or no straw, distributing the cover evenly.

No (light) cultivator or disk harrow provides a better distribution of straw, as these tools tend to penetrate 3-6 cm into the ground. In this case moisture from the ground can escape/evaporate. However, the harrow works differently: it keeps the moisture from escaping, unlike the other two machines by surface cultivating the soil.

The soil crust is only scratched, which allows the grain or rape to germinate quickly. Of course, weeds also germinate quickly in this way. By adjusting the teeth angle, weeds can be effectively controlled when they are already out of the germination stage.

The straw evenly distributed on the soil surface remains covered with fine-grained soil after cultivation with the harrow, which in turn accelerates straw rotting. The even distribution of straw prevents the formation of straw heaps, which can accumulate moisture and breed snails.

**Blade roller harrow as an alternative to a mulcher.**

Many farmers use mulchers to chop rape stalks. The advantage of the mulcher is, of course, good shredding, but the mulcher also requires a lot of power at a low output per area. Alternatively, a 9-meter harrow with a knife roller can be used on a 300 hp tractor with a speed of 15 to 18 km/h, increasing the area output by up to 3 times and with less wear and tear.

**Harrow for meadows**

For use in meadows, leveling bars are installed on the first and third rows. With the pneumatic spreader it is possible to sow pastures or fields with intermediate crops.

**Used for seedbed preparation**

- Only superficial, tangential tilling of the soil surface.
- Does not loosen moist soil, unlike cultivators or disk harrows.
- High moisture saving due to very shallow soil tillage.

It is also possible to spread fertilizer or manure during tillage.

« *In the current debate about the harmful use of glyphosate, a healthy alternative is the harrow as a mechanical means of weed control.* »