

Innovation

Groundkeeper SmartCut



Groundkeeper multi-functional mower/collector

Extraordinarily versatile

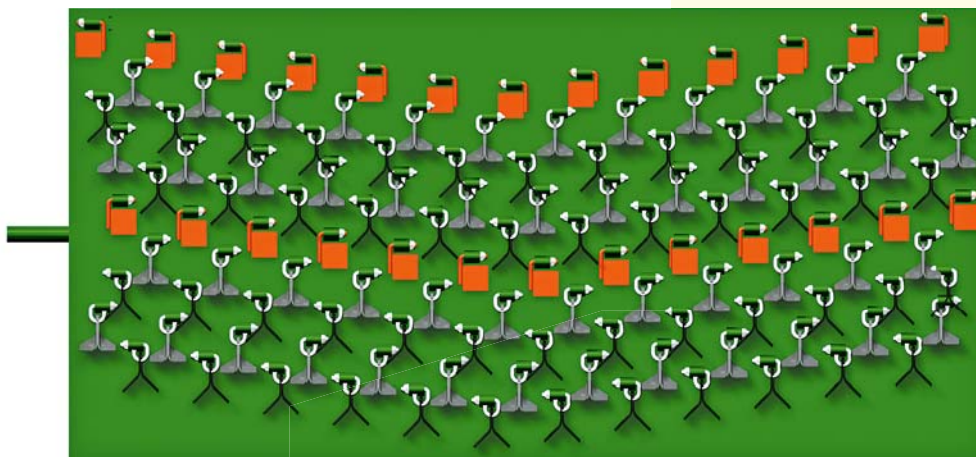
At demopark 2013, AMAZONE introduced the SmartCut rotor as an innovation for the Groundkeeper GHS Jumbo, GHS Drive, GHL and GHL-T mowing and scarifying models. The outstanding feature of the rotor is the special, V-shaped knife arrangement which results in reduced fuel consumption and a lower noise level. For this development, AMAZONE was awarded a silver medal by the Innovations jury of the demopark 2013.

The benefits of the SmartCut rotor, with its V-shaped knife arrangement are many in comparison with the rotor technology offered to date, where the cutting knives are arranged linearly in rows. Because the knives, when arranged in a

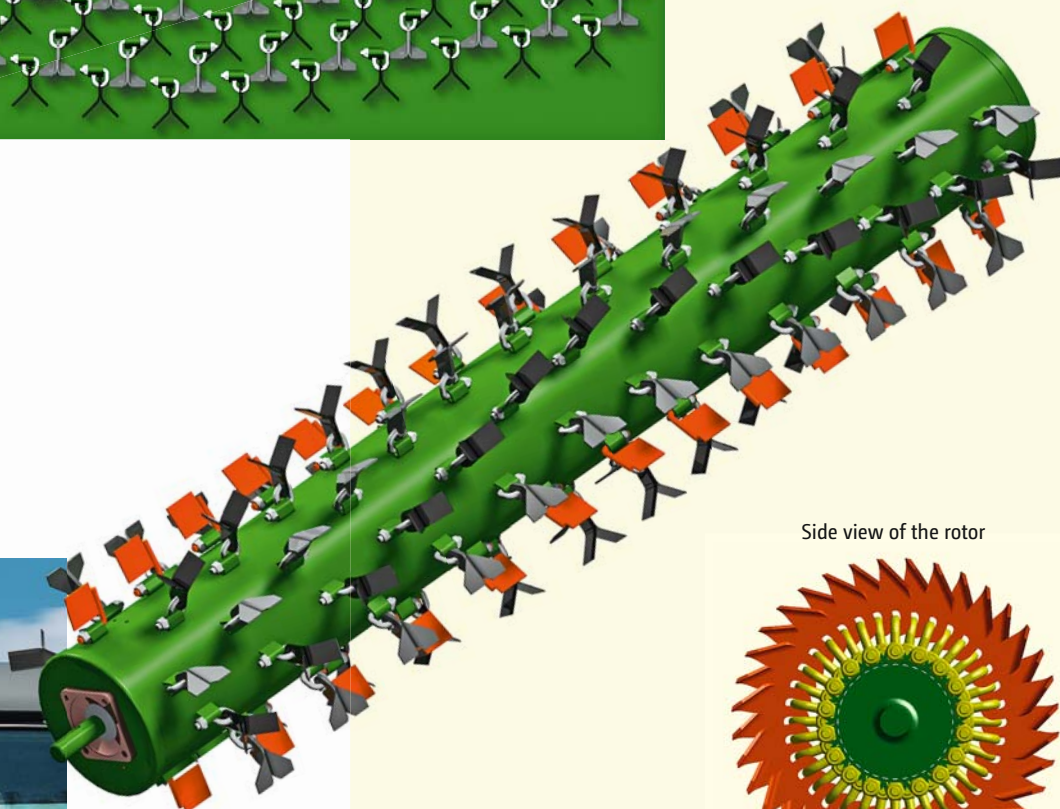
V-shape, do not pass the shear bar simultaneously but passing in very short intervals, one after the other, they convey the cut material better in the direction of the centre of the rotor, resulting in less lateral air turbulence and, because of this, in an additional improvement in the collecting performance. Also the noise level is reduced by 5 dB, clearly reducing the noise level at the driver's ear.

With the new SmartCut rotor, AMAZONE has made an important step forward which further enforces the efficiency and environmental friendliness of their Groundkeeper models.

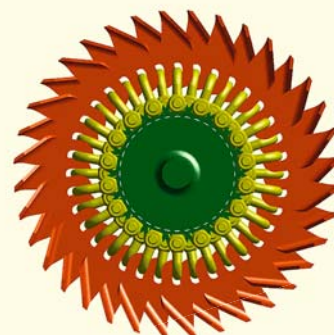




Schematic view of the rotor



Side view of the rotor



- ⊕ Thanks to the specific V-shaped arrangement of the knives, the fuel consumption and the noise level from the rotor are significantly reduced.



- ⊕ SmartCut rotor



The Groundkeeper works the whole year round

Mowing, scarifying, collecting, shredding and rolling in one pass with the AMAZONE Groundkeeper

As an all-rounder, the Groundkeeper is the ideal solution, even for the most demanding of green area maintenance; and from the spring right through until winter.

Its versatility allows it not just to mow parks and leisure areas, golf courses, wild flower meadows and horse paddocks, but also to scarify them and to free them from leaves and debris.

The benefits at a glance

- + Mowing and collecting grass
- + Scarifying and collecting
- + Collecting leaves
- + Paddock maintenance
- + Mowing of rank grass patches and thistles

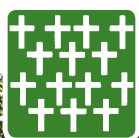
Standard execution:

- + SmartCut rotor
- + 50% H 77 long, sharpened wing blades, 50% mowing blades
- + Infinitely variably height adjustable support roller and with scrapers
- + Mulch flap
- + Pivoting castor wheels
- + Pendulum flap and deflection tube offer accident protection
- + PTO shaft with over-run clutch
- + Collection hopper with hydraulic ground level discharge and stone guard plate
- + Fill level indicator
- + Adjustable lower linkage

Parks



Cemeteries



Golf courses



Green spaces in residential areas



Lawns



Sport fields



Campsites



Paddocks



Comfortable emptying

The working principle of the Ground-keeper: Mowing, collecting, chopping and rolling in one pass. The knives finely chop the grass resulting in a reduction of the composting time. The hopper contents can be easily and comfortably emptied from the tractor cab for composting.



⊕ Comfortable emptying



⊕ Groundkeeper GHS Drive 1800



⊕ Compacted, cut material in the collection hopper



⊕ Adjustable lower linkage



⊕ Groundkeeper GHL-T 1500

The mowing deck

Versatile, robust and safe

The large diameter of the rotor prevents grass becoming caught up. The high wear-resistant qualities of the knives result in little wear. The knife system is insensitive to foreign objects as all the knives are attached separately. The knives are suspended on the rotor via special hooks. They can be turned round and replaced without tools. A high quality cutting performance is achieved over the entire working width.

All important components are quickly and easily accessible, resulting in effective maintenance ensuring a long life span at minimum expense. Cleaning and maintenance operations can be performed quickly and easily.

⊕ Replacing the knives ...



⊕ ... without tools, easily and quickly





⊕ Perfect working performance

Mowing, compacting, collecting, emptying

The cutting height is individually matched to the relevant operation. The robust flail mowing deck ensures optimised cutting performance and collecting capabilities – even in wet weather and high moisture conditions.

Due to the high suction effect provided by the SmartCut rotor, the Groundkeeper can also be used for collecting already mown grass, leaves, debris, acorns, chestnuts etc.

Choice of blades



H77 long wing blades



Cutting blades



H60 wing blades



Scarifying blades
(2 or 3 mm)



Combination of cutting blades
& scarifying blades



Combination of H77 long wing
blades & scarifying blades



Combination of H60 wing
blades & scarifying blades

Groundkeeper technical data

Three-point linkage mounted models

Model	Working width	Tractor requirement*	Hopper capacity	Weight	Dimensions L x W x H (m)
GH 1350	1.35 m	20 kW/27 HP – Cat. I N, I	1,350 l	570 kg	1.80 x 1.75 x 1.48
GH 1500	1.50 m	25 kW/34 HP – Cat. I, II	1,500 l	600 kg	1.80 x 1.90 x 1.48
GH 1800	1.80 m	30 kW/40 HP – Cat. I, II	1,800 l	660 kg	1.80 x 2.20 x 1.48
GH 1800 Super	1.80 m	30 kW/40 HP – Cat. I, II	1,800 l	690 kg	1.80 x 2.20 x 1.48
GH 2100 Super	2.10 m	40 kW/53 HP – Cat. I, II	2,100 l	760 kg	1.90 x 2.50 x 1.48

With ground level discharge

GHL 1500	1.50 m	40 kW/53 HP – Cat. I, II	1,800 l	690 kg	1.97 x 1.90 x 1.62
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High level discharge up to 1.90 m tipping height

GHL-T 1350	1.35 m	20 kW/27 HP – Cat. I N, I	1,400 l	750 kg	1.94 x 1.75 x 1.58
GHL-T 1500	1.50 m	25 kW/34 HP – Cat. I, II	1,550 l	780 kg	1.94 x 1.90 x 1.58

High level discharge up to 1.80 m tipping height – 25 km/h permissible road speed

GHS 1500	1.50 m	25 kW/34 HP – Cat. I, II	2,500 l	970 kg	2.60 x 1.90 x 1.65
GHS 1800	1.80 m	35 kW/47 HP – Cat. I, II	3,000 l	1,000 kg	2.60 x 2.20 x 1.65
GHS 2100	2.10 m	45 kW/60 HP – Cat. I, II	3,500 l	1,040 kg	2.60 x 2.50 x 1.65

High level discharge up to 2.20 m tipping height – 25 km/h permissible road speed

Trailed models with drawbar

Model	Working width	Tractor requirement*	Hopper capacity	Weight	Dimensions L x W x H (m)
GHD 1500	1.50 m	25 kW/34 HP	1,800 l	900 kg	3.30 x 1.90 x 1.58
GHD 1800	1.80 m	30 kW/40 HP	2,200 l	950 kg	3.30 x 2.20 x 1.58

High level discharge up to 2.10 m tipping height – 25 km/h permissible road speed

GHS Drive 1500	1.50 m	25 kW/34 HP	2,500 l	1,030 kg	3.55 x 1.90 x 1.70
GHS Drive 1800	1.80 m	35 kW/47 HP	3,000 l	1,130 kg	3.55 x 2.20 x 1.70
GHS Drive 2100	2.10 m	45 kW/60 HP	3,500 l	1,240 kg	3.55 x 2.50 x 1.70

High level discharge up to 2.30 m tipping height – 30 km/h permissible road speed

Illustrations, content and technical data are not binding!

Machine illustrations can vary due to country-specific traffic legislation.

* Tractor mounting: the indicated min. horsepower corresponds to the min. permissible output at the PTO shaft



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