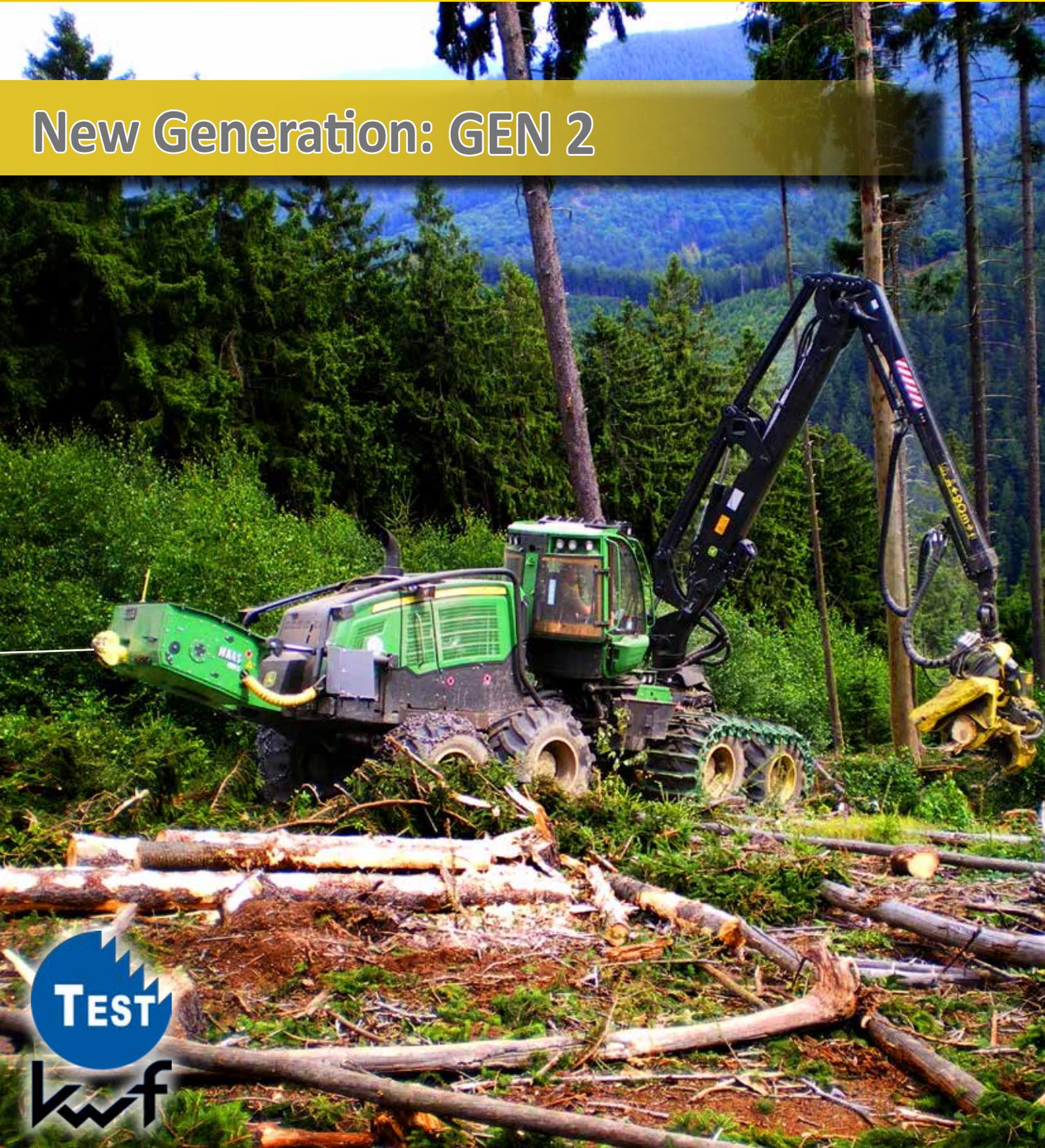




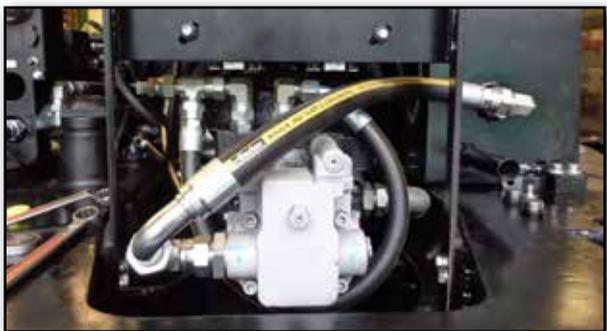
Traction aid cable winch
„Highgrade“
Harvester front & rear

New Generation: GEN 2



Features of the HAAS traction aid cable winch „GEN 2“ „Highgrade“

HAAS - hydraulmatic was developed exclusively for integration in JOHN DEERE forestry machinery.



Additional 3rd hydraulic Pump

HAAS traction aid cable winch „GEN 2“ „Highgrade“: Available from 2016 for all models of the E-series and G-series! The drive mechanism by the additionally installed hydraulmatic, which consists of large-scale components. Therefore simultaneous, synchronous movement of the forwarder, loading crane operation and movement of the traction aid cable winch „GEN 2“ is 100% guaranteed, all the time. This ensures efficient operation with high productivity and long service life on both moderate and sloping terrain.



Alternatively, this additional hydraulic system can be used as the drive mechanism for optional devices. This also increases the subsequent resale value.

The cable is stored in the storage drum with minimum pre stressing and easy cable distribution device. Therefore the cable has a long service life.

Robust standard components make sourcing spare parts and maintenance easier, thus optimizing the performance of the machinery.



Wedge disk & gearbox

The drive mechanism

The „Highgrade“ series traction aid cable winch is equipped with a robust planetary gearbox and a wedge disk. It always maintains a constant tractive force thanks to the separate drive / cable storage system.

Our cable winches impress with their high level of technical availability across their entire service life.



Cable storage drum

The winch system „Highgrade“ offers you the following advantages:

- steady tractive force regardless of capacity
- flexible cable capacities, standard 300 m – more on request
- ground clearance is equal to the original forwarder
- the impressive large-scale drive pulley protects the cable, also ejects the cable, so there is no need for an additional cable ejector
- it is possible to work without chains and/or tracks depending on the slopes
- quick cable lay down when driving over forest roads to log piles, thanks to **HAAS** - matic
- soil friendly manipulation during thinning thanks to HAAS - hydraulic
- all weather operation allows increased work efficiency
- no cost to repair forest roads



Downhill rear cable winch (standard)

The traction aid cable winch „GEN 2“ with the rear tilt combination on the E-series and G-series harvester models impresses with its exceptional maneuverability on steep slopes. The cable winch box tilting range is up to 80°.

The traction aid cable winch „GEN 2“ was revised for extreme applications by increasing the tilt angle at the rear to enable easy navigation of steep slopes from the forest road to the strip road.

The extremely powerful cable in-feed roller is rigidly mounted and dimensioned according to the applied forces!

The central operation via the original arm panels increases ease of operation and thus productivity. The tilt construction takes the maintenance and serviceability of John Deere E-models into account. The availability of the service points remains unchanged, allowing quick and convenient work of service technicians.



Perfect allround visibility as a result of the hydraulically winch height adjustable increases safety.

The construction allows minimal ground pressure with equal traction.

Increased productivity during operation on difficult terrains and excellent weight distribution.

Thanks to the user-friendliness and quick change modular design of the traction aid cable winches „GEN 2“, these can be used on several harvesters.

The result is higher productivity of the machinery.



Uphill front cable winch (optional)



The traction aid cable winch „GEN 2“ is manufactured for all JOHN DEERE E-models and G-models harvesters.

The additional fitting of the front traction aid cable winch means that the harvester will be suitable for uphill use on steep slopes.

The cabin workplace promises pleasant, comfortable and extremely ergonomic surroundings on very steep slopes.



The cable winch box tilt angle in the range of up to 55° can be achieved depending on harvester models.

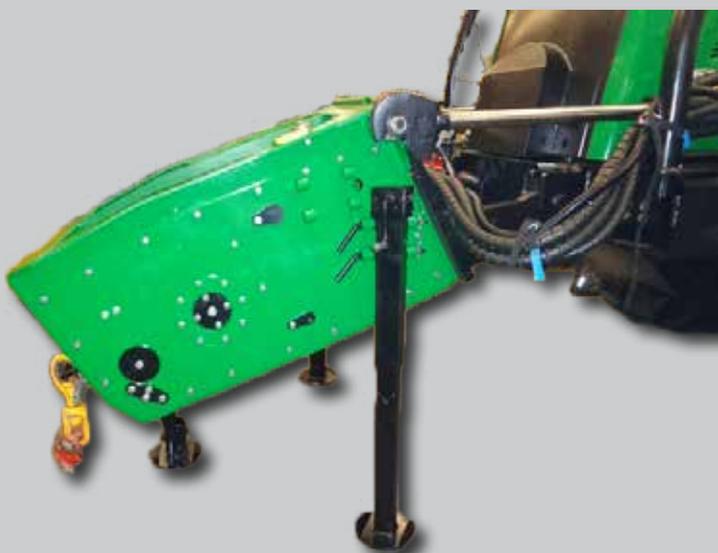
Your benefits:

- traction aid cable winch „GEN 2“ can remain attached when transporting on low loader
- large cable winch box tilt angle
- tilt angle on the harvester crane is larger uphill
- careful wood manipulation on steep slopes
- winch height adjustment via foot switch in the cabin therefore there is no need to use the original arm panels
- increased stability thanks to adjustable cable intake geometry
- tilt device for gentle ground treatment and optimal traction





HAAS Supporting device for quick change of the traction aid cable winch (optional)



The traction aid cable winch can easily be dismountet from the front to the rear or vice versa.

The winch will be lowered down on three supporting legs!



HAAS *matic* monitoring system *matic* control system

HAAS exclusively manufactures the integrated monitoring system with performance and status monitoring. It manages basic machinery settings. Cable damage monitoring by using an additional camera. Electronic display of the available rope capacity, beginning of the rope and end of the rope. Monitors the slope with digital display and optical signal >50% slope.

HAAS - *matic* is a reliable control system, that has been developed and tested for many years, and which has already been used in the former TIMBERJACK models.

Your benefits:

HAAS - *matic* is totally user friendly, thus enabling the highest level of productivity in shift operation and when changing drivers.

There is no need to change over to additional buttons during work processes. The integration of the winch commands in the original JD arm panel comes as standard, so work cycles can be stored, thus increasing the performance of drivers and creating an extremely comfortable working environment.



Quick change system (optional)

Fast attachment and removal of the traction aid cable winch on the harvester and/or other machinery using quick couplings for hydraulic hoses and the electrical cable.

The winch can be stored on supporting legs and/or on a trailer.

Fit chain suspension and/or parking supports, loosen quick couplings and centering bolts, unplug 5 hydraulic hoses and electric cable - done!



Radio remote control

Sender, receiver, loading device and front carrying harness with the following functions:

- cable ejection for attaching to the anchor tree
- cable intake for pre-stressing
- 9-stage cable winch force setting



Auxiliary cable winch (optional)



Mounted on the crane boom

For convenient uphill pulling of the heavy winch cable to the anchor tree.

Traction: 1000 kg
Cable capacity: 300 m
Diameter cable: \varnothing 6 mm

Hydraulically driven and controlled via the radio control of the traction aid cable winch „GEN 2“.

Harvester	Technical data:	 Traction aid cable winch "GEN 2" front & rear "Highgrade"
		JD 1270 JD 1470
	Type	09300 / 09400
	Traction	0 – 90 kN constantly, 9-stage adjustable, force prop. to speed
	Cable	\varnothing 14 / 300 m (400 m and more on request) 211 kN minimum breaking force
	Hydraulic drive mechanism	Hydrostatically driven wedge disc on planetary gear mounted with spring actuator safety brake
	 Hydraumatic	Closed hydraulic circuit, controlled electro-hydraulically, with additional axial piston pump
	Wedge disc	\varnothing 490 mm, double-grooved, also rope release, no additional cable ejector required
	Cable storage	Hydr. preloaded, grooved drum core
	Cable spooling	Simple, conventional, mech. spooling arm
	Cable speed	Rope speed equal to driving speed 0 - approx. 5 km/h
		Sync control mode: Winds under tensile or braking load Sync control mode: Cable removal Sync control mode: Radio remote control
		Automatic monitoring of the cable spooling Monitoring of rope damage with camera Monitoring of the rope length, start of cable and end of cable Monitoring of the slope inclination with digital display and signal
	Radio remote control for remote operation	Cable winch tilt, pull in rope, spool out rope, set force
	Cable winch tilt to the front and the rear	Front winch tilt range approx. 55° Rear winch tilt range approx. 80°
	Weight incl. wire cable	approx. 2.200 kg
	Dimensions in mm: Length x width x height may differ depending on the model	approx. 1.850 x 1.120 x 700

We reserve the right to make changes to these specifications at any time without prior notice. The only warranty given by Haas is the written limited warranty that is included with each product sold by Haas. Haas accepts no responsibility or liability for financial loss or personal injury caused by changes to a Haas product which were not expressly approved by Haas or by installing accessories in Haas products if the accessories were not developed or manufactured by Haas. Not all products are available in all countries. The manufacturer reserves the right to make changes or improvements at any time without being obliged to make these changes to previously



Innovation, quality, service and spare parts supply

Innovation is our strength:

HAAS - MASCHINENBAU represents decades of experience in forestry technology:
We strive for innovation, quality, service and spare parts supply for forestry management!

We provide tailor-made solutions to make your company more efficient and to make your manual operations more productive. Every year we invest large sums in developing our products.

Our goal is always to help you carry out your operations faster, more safer and easier.

HAAS - MASCHINENBAU develops modifications exclusively for John Deere forestry machines (formerly TIMBERJACK) for all applications in short and long timber forestry.

Made in Germany

Your success is our demand!



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