



# HARVEST STAR\* VARIO STAR® HARVEST STAR\* VARIO



**GERINGHOFF** The perfect way to harvest.



Harvest Star\* Vario, the world's only foldable grain header with variable table length.

# For greater productivity: the high-tech grain headers from Geringhoff

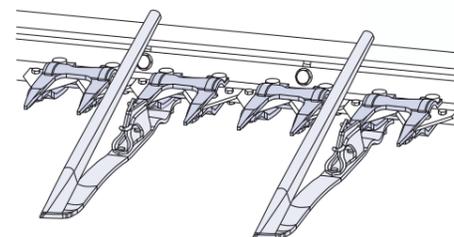
The constant search for better solutions has led Geringhoff to continuous improvements and three major achievements. Firstly, all of our grain headers have one thing in common, namely, the basic idea of using the very latest drive technology: a gearbox in conjunction with a hydraulic drive and electronic control unit. A system that does away with chains and belts – a genuine advantage when it comes to ensuring smooth and highly productive operation.

The second major development was Geringhoff's hydraulic folding technology, which offers easy handling and rapid movement from field to field. It does away with the need for a separate transport trailer and significantly increases the daily harvesting capacity.

The third big step forwards is the hydraulic table length function for optimum adjustment to different kinds and lengths of cereal, even while actually harvesting.

The choice is yours:

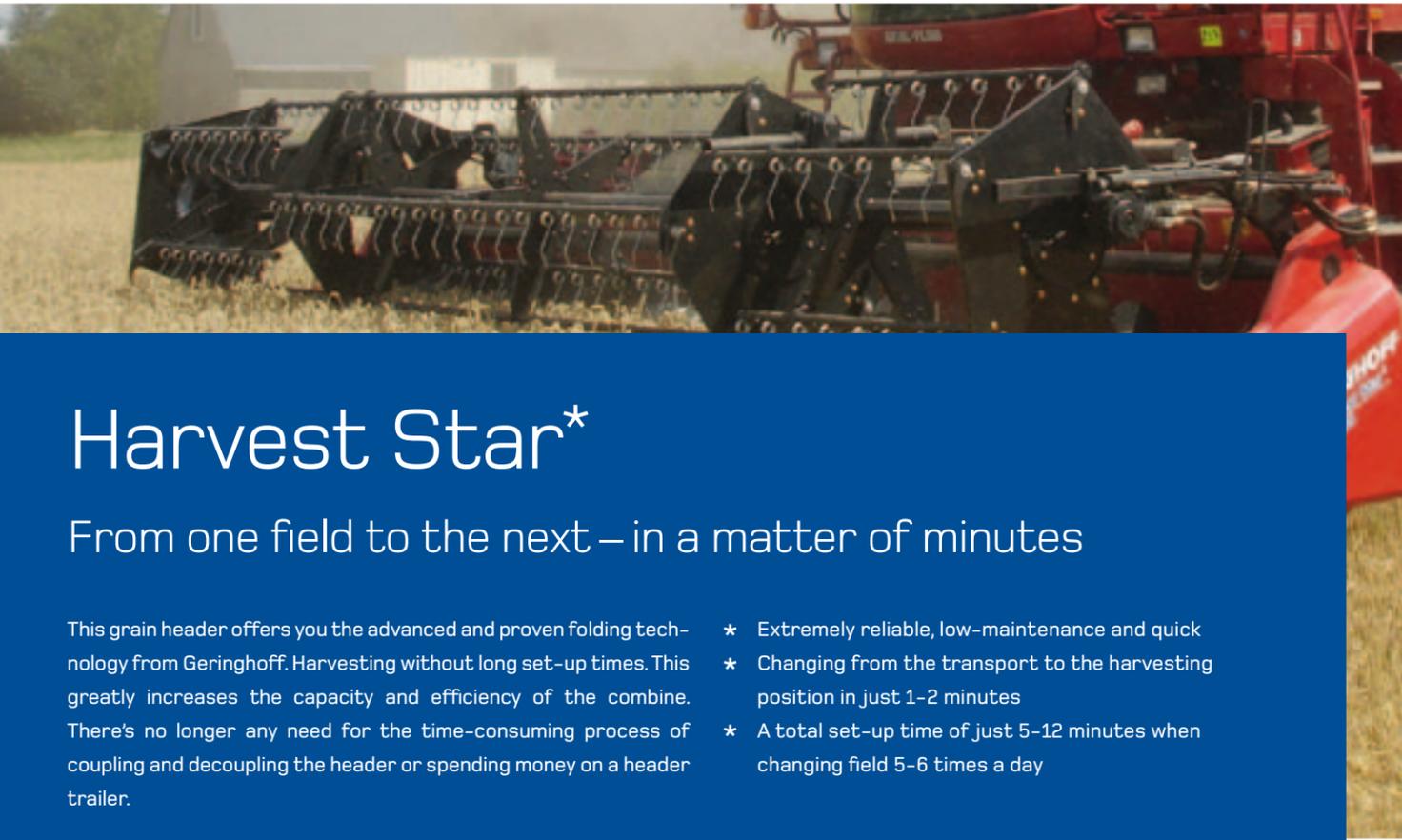
- Vario Star®** Rigid grain header with hydraulic table length adjustment
- Harvest Star®** Foldable grain header
- Harvest Star\* Vario** The world's only grain header with folding technology **and** hydraulic table length adjustment



All cutting systems are based on the Schumacher counter-cut mowing system.

## Get the cutting edge

The proven Schumacher counter-cut mowing system guarantees safe and high-capacity cutting, especially in damp conditions and when the amount of weeds in the crop is high. Knife sections and mowing fingers can be exchanged easily without having to remove the complete cutting knife.



# Harvest Star\*

From one field to the next – in a matter of minutes

This grain header offers you the advanced and proven folding technology from Geringhoff. Harvesting without long set-up times. This greatly increases the capacity and efficiency of the combine. There's no longer any need for the time-consuming process of coupling and decoupling the header or spending money on a header trailer.

- \* Extremely reliable, low-maintenance and quick
- \* Changing from the transport to the harvesting position in just 1-2 minutes
- \* A total set-up time of just 5-12 minutes when changing field 5-6 times a day

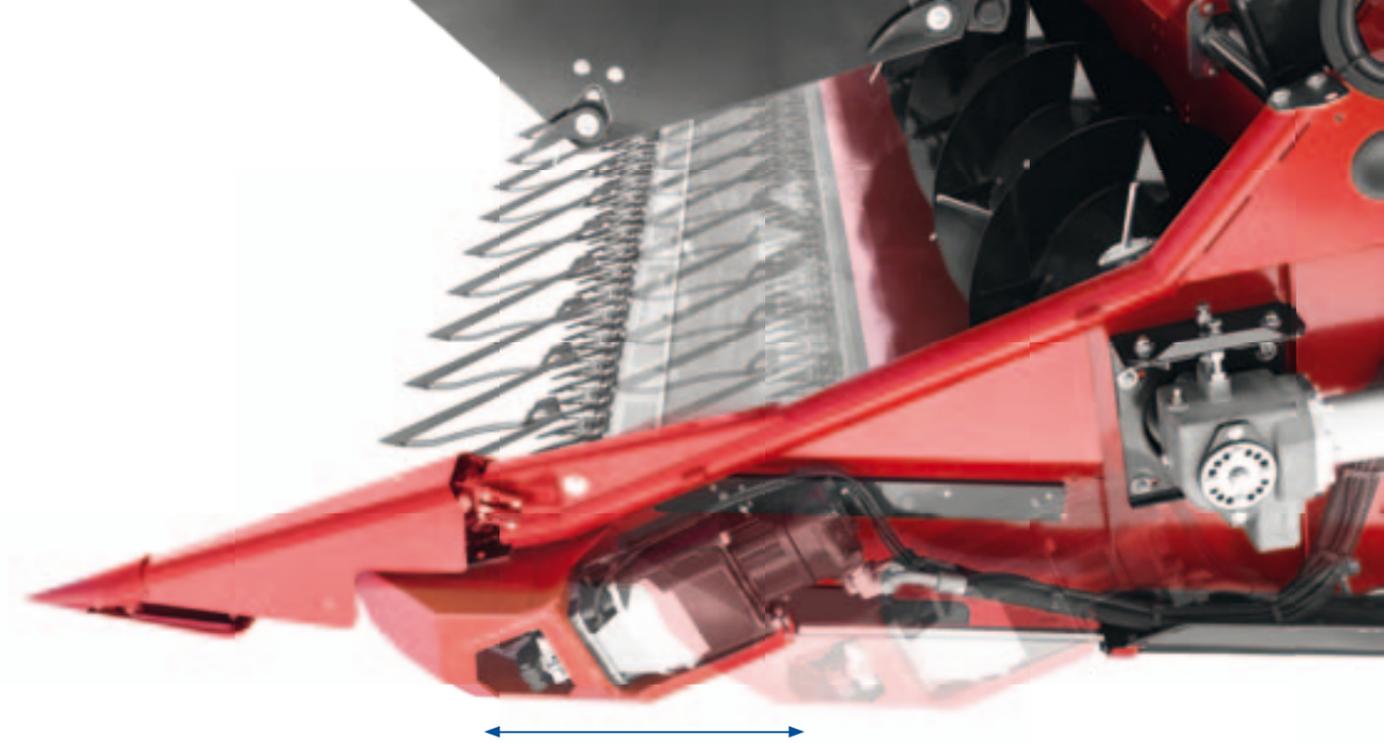


*The folding system is based on a technically well-conceived coupling concept. Geringhoff's automatic coupling technology for the reel, cutting knife, auger and driveshaft has proven to be strong, reliable and extremely durable.*

*Our self-locking driveshaft coupler in its closed position. Folding without having to leave the cab.*



*A patented feature of engineering: the knife couplers from Geringhoff.*



*Table length with infinitely variable, hydraulic adjustment from 575 and 1075 mm, even while harvesting. Changing from grain to rape only takes between 5 and 7 minutes.*

# Vario Star®

A match for any rape and grain field – at the push of a button

Optimum crop flow is obtained when the length of the table is perfectly adjusted to the type and condition of the rape or grain field. And the ideal way of adjusting the table is by the driver pressing a button from his seat in the cab – actually while harvesting. No more inconveniences of inserting or removing metal plates. The Vario Star® offers an infinitely variable adjustment range of 500 mm (from 575 and 1075 mm). The header can be reset for harvesting grain, rape or even soya within a very short space of time.



# Harvest Star\* Vario

## Our top-of-the-range model combines Vario and folding technology

The Harvest Star\* Vario grain header is the perfect combination of a foldable header and a table-length-variable header. The state-of-the-art folding technology enables changing from the transport to the harvesting position in 1-2 minutes. There is no longer any need for the time-consuming process of coupling and decoupling the header or spending money on a header trailer. Geringhoff's cutting-edge folding system is based on automatic couplers for the reel, cutting knife, auger and driveshaft.



By using the Vario technology, the table length can be adapted to the corresponding harvesting conditions at any time while threshing, so that the maximum possible daily harvesting capacity can be achieved. The crop is fed in more uniformly, avoiding load peaks in the process, stress on the drive components is kept to a minimum, and fuel consumption is reduced.



*Clear vision from the driver's cab guarantees a perfect overview.*

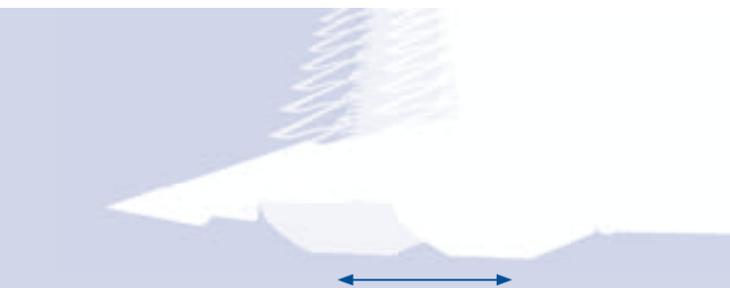


*Even today still unique: the gear drive from Geringhoff.*

## Strong, low-maintenance and long-lasting: our drive hydraulics

Demands for increased capacity and maintenance costs that are as low as possible have led us to seek alternative solutions. The result: all Geringhoff headers are equipped with a gear mechanism for the auger, a hydraulic combine harvester drive mechanism and an on-board hydraulic system. This makes the headers strong and long-lasting and saves energy and servicing costs. Nasty surprises brought about by broken chains or belts are a thing of the past. The particularly powerful auger is protected against overload by a safety clutch.

*The header can be converted from a grain to a rape threshing unit in only 5-7 minutes. A user-friendly connection system allows the rape cutters to be put into position in next to no time. Just connect the hydraulic hoses and you are done!*



*Table length hydraulically adjustable between 575 and 1075 mm, even while harvesting. The setting selected is indicated down to the last millimetre on the control box display.*



*Our drive technology: gearbox and hydraulics compatible with any combine.*



*Electronic control box: an intelligent solution to controlling the header speed as well as the Vario, folding and rape functions.*

# A header system exactly as you want it



- Vario Star®** – a rigid grain header with hydraulic table length adjustment.
- Harvest Star®** – a grain header with folding system.
- Harvest Star® Vario** – the world's only grain header with folding system and hydraulic table length adjustment.

Basic equipment specifications of all headers:

- ★ Driven by means of a gearbox
- ★ Electronic speed control
- ★ Ear lifters
- ★ Reel-driven by means of an on-board hydraulic system (10–60 rpm, depending on combine)
- ★ Maintenance-free hydraulic cutter drive (1200 strokes/min, cutting knife stroke 85 mm)
- ★ Automatic ground adaptation
- ★ Stalk divider (folding)
- ★ Auger (∅ 620 mm)



Vario Star®



Harvest Star\*



Harvest Star\* Vario

FURTHER EQUIPMENT FEATURES	HARVEST STAR* VARIO	HARVEST STAR*	VARIO STAR®
Folding header for better road transport	●	●	—
Variable table length (mm)	575–1075	—	575–1075
Rape cutters, right and left, hydraulically driven and individually controllable	●	○	●
Automatic driveshaft coupler	●/Depending on combine	●/Depending on combine	
Automatic reel control	●/Depending on combine	●/Depending on combine	●/Depending on combine
Reel antiwinder	●	○	●
Spare mowing knife	○	○	●
Stalk dividers, long	○	○	○
Front road transport protector (illuminated)	●	●	—

● series ○ options — not available



## Performance comparison of the Geringhoff grain headers

VARIO STAR®	WORKING WIDTH (m)	TRANSPORT WIDTH (m)	AUGER, DIVIDED	TABLE LENGTH, VARIABLE (mm)	SPARE KNIFE	REEL ø mm/x-part	WEIGHT approx. (kg)
VS 485	4,85	2,45*	—	575–1075	●	1060/6	2050
VS 550	5,49	2,45*	—	575–1075	●	1060/6	2310
VS 610	6,10	2,45*	—	575–1075	●	1060/6	2540
VS 670	6,70	2,45*	●	575–1075	●	1060/6	2800
VS 760	7,62	2,45*	●	575–1075	●	1060/6	2950
VS 910	9,15	2,45*	●	575–1075	●	1060/6	3300
<b>HARVEST STAR*</b>							
HV 480	4,80	3,20	●	—	○	900/5	2360
HV 540	5,40	3,20	●	—	○	900/5	2570
HV 600	6,00	3,20	●	—	○	900/5	2690
HV 660	6,60	3,50	●	—	○	900/5	2850
HV 720	7,20	3,80	●	—	○	900/5	2970
<b>HARVEST STAR* VARIO</b>							
HVV 600	6,00	3,20	●	575–1075	○	900/5	2970
HVV 660	6,60	3,50	●	575–1075	○	900/5	3090

Geringhoff harvesters are compatible with all makes of combine harvester. Subject to modifications.

\* transport on header trailer

● standard ○ optional — not in scope of delivery

## The perfect way to harvest – our vision and mission since 1880

Innovation has a long tradition at Geringhoff: the company founded by Carl Geringhoff in 1880 initially supplied the farming community in the area around Ahlen with harvesting machinery and steam-power engines. In 1890, the company founder began developing his own threshing machines. Geringhoff's success story in the field of maize harvesting technology did not begin until 1956, with the building of maize shellers to remove cob kernels. In 1958, the world's farmers were able to marvel at our first corn cob pickers. 1989 saw the foundations laid for today's folding cutter bars. Production of

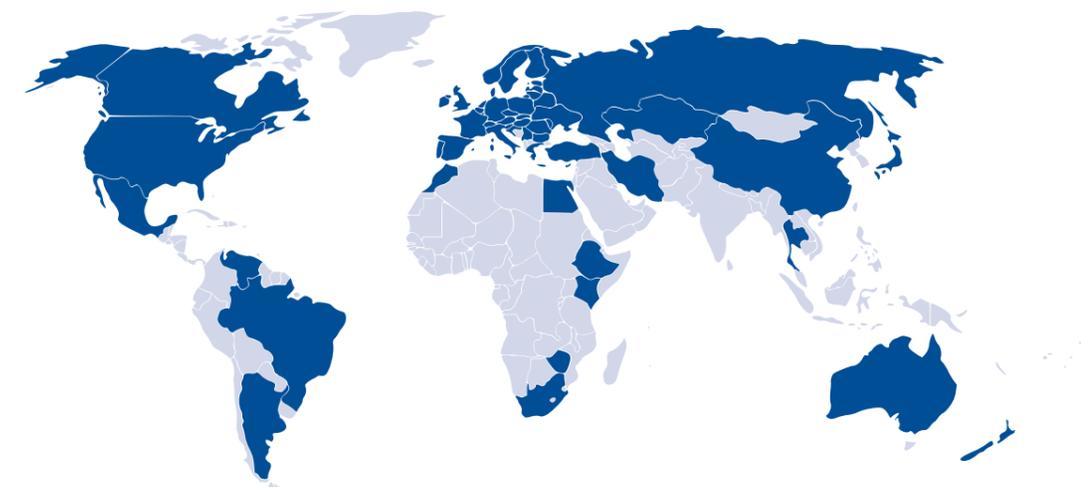
our foldable grain headers for combine harvesters was launched in 1996, these headers being adaptable to almost all makes of combine (Grainstar). In 2003 the grain header range was expanded with the addition of the variable table length model, the Vario Star®. 2004 saw the market launch of the Harvest Star\* header with working widths of up to 7.2 metres. In 2007 Geringhoff launched the world's first foldable grain header with variable table length on the market, the Harvest Star\* Vario, and in doing so demonstrated once again that it is a global technology leader.

### Round-the-clock service

- ★ 24-hour availability – for all eventualities
- ★ Long-standing, personal support for our customers
- ★ Genuine parts always immediately available
- ★ On-site service, even at the most unusual times

### Systems consulting by experts

- ★ Free consulting assistance in deciding what system to purchase
- ★ Professional consulting training for dealers



Geringhoff – a global player.

# **GERINGHOFF**

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