

# Corn heads

Rota Disc® | Horizon Star\* II

**GERINGHOFF**



English  


Head of the class - no matter the crop



Drive system & gathering chains

## Good reasons to choose Geringhoff

### Always ready & perfectly tensioned

The gathering chains are tensioned automatically. As the chain tensioner is tuned to the patented sprocket, the driveline is protected from blockages caused by debris and gearbox failures are avoided.

Geringhoff is the only manufacturer to offer automatic tensioning for the gathering chains.





Great performance requires an exceptional drive system. Our heads are driven by a reliable crown wheel gearbox. We deliberately designed a system that does without chains and belts to ensure smooth harvesting. Geringhoff uses Centaflex® couplings to connect the row units. The dampers on the couplings significantly reduce vibration and shock loads on the

gearbox that drives the row unit, thereby multiplying its reliability. An excellent service life, low maintenance, great flexibility, and compatibility with different combines are truly good reasons for choosing Geringhoff.





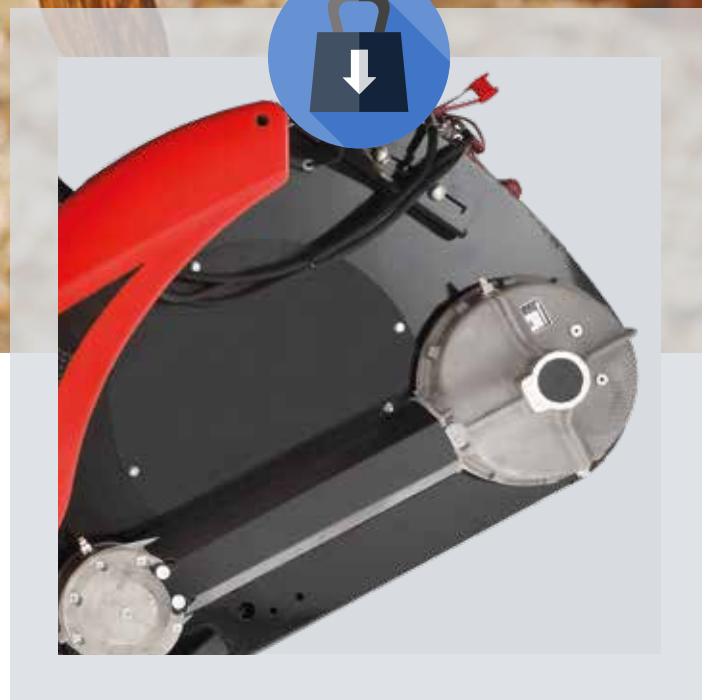
The transverse auger

## Always in the perfect position

The auger height is adjusted **infinitely variably** to support massive throughputs and to respond fast and easily to varying harvest conditions. The large-diameter auger feeds the crop very gently without compromising on performance.

- ▶ Infinitely variable auger height adjustment
- ▶ Gentle crop treatment
- ▶ Maximum throughputs
- ▶ Smooth and steady operation
- ▶ Quick and easy adjustment to current harvest conditions





The trough

## Form follows function

The trough is engineered to combine form and function in perfect harmony. Its special design suggests resistance-free crop feeds and maximum intake levels, ensuring a gentle and smooth flow into the threshing system even in high-density crops. The large number of aluminum components makes this head a lightweight contender.

- Low weight
- Consistent feeds to the threshing system
- Gentle crop treatment
- For maximum throughputs



Row unit hoods & divider tips

## The body scores on many details

Numerous elements of the body are made of plastic to make it light in weight, maintenance-free and highly resistant to wear and ensure dependable operation even after many hours of harvesting. There is no need to replace the hoods. The extremely lightweight and reliable plastic body offers superior gliding properties as it smoothly divides the crop rows.

Its well-designed form proves its perfect functionality in down crops as the lodged plants slide up the smooth panels and contours, aided by the long and flat tips.

Hinged divider tips and wide skids offer optimum ground control. They are particularly low-maintenance and run no risk of bulldozing.



## Fine tuned to all conditions

The tips offer tool-less adjustment from a hand wheel on their undersides for fine-tuning to requirements.

Geringhoff is the only manufacturer to offer such infinitely-variable tip adjustment. This system is standard specification on your Geringhoff corn head.



The smart body design gives easy access to the picking system and the hoods and the tips are unlocked without tools and raised and opened conveniently with the help of gas struts. The front skids can be replaced individually. All of this makes cleaning and maintenance a breeze.

- ▶ Extremely lightweight, sturdy body
- ▶ Corrosion free / wear resistant paint finish
- ▶ Superior slip properties for easier harvesting
- ▶ No bulldozing, no downtimes
- ▶ Maximum yields from down corn
- ▶ Tool-less removal and installation of tips and hoods





Hydraulic deck plate adjustment

## Safe & reliable

The deck plates are adjusted hydraulically and steplessly via a double-acting and fail-safe hydraulic system, which ensures mechanical smoothness and great operational reliability. This maintenance free system is resistant to any form of contamination, corrosion and exposure to extremely cold temperatures.

- ▶ Infinitely variable deck plate adjustment
- ▶ Low maintenance
- ▶ Eliminates jams and blockages
- ▶ No risk of corrosion
- ▶ Suitable for use in extremely cold climates
- ▶ Standard equipment





The operator terminal

## Full control

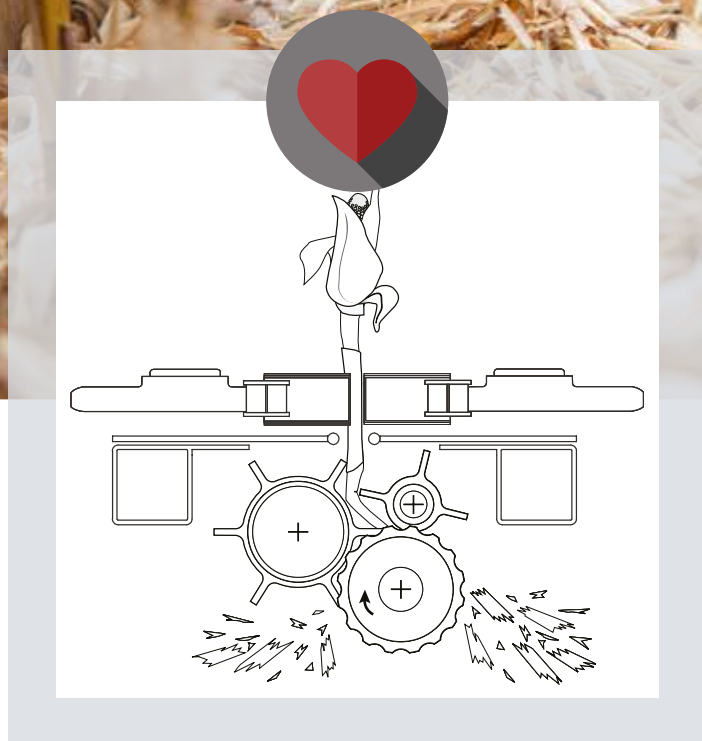
The Geringhoff control terminal offers intuitive operation and displays all key settings and parameters of the head. It reads out the current speed, shows the current position of the deck plates and adjusts them at the push of a button.

Folding heads are automatically folded by pressing a key on the terminal.

- ▶ Supplied with the machine as standard equipment
- ▶ Fast check of all settings and parameters
- ▶ Easy monitoring of deck plate adjustment
- ▶ Quick access to all key functions



## The Rota Disc® concept



Stalk and stubble management

### Work results

Two snapping rolls feed the corn plant to the head. This enables the deck plates to strip the corn cob off the plant.

The cutter rotor has 15 rotary knives that chop the corn stover revolving against the crop stream for extra intensity.

- ▶ Uniformly short stubble
- ▶ The stalk cutter separates the stalk from the root and splits the stubble
- ▶ Maximum chopping quality to reduce disease and pest infestation
- ▶ Uniform distribution of chops





Model	Version	No. of rows	Row width	Transport width	Approx. weight
RD 400	Rigid	4 rows	from 50cm / 18"	3.20 m	1,600 kg
RD 400 F	Folding	4 rows	from 50cm / 18"	3.00 m	1,800 kg
RD 500	Rigid	5 rows	from 50cm / 18"	3.95 m	1,800 kg
RD 600	Rigid	6 rows	from 50cm / 18"	4.70 m	2,000 kg
RD 600 F	Folding	6 rows	from 50cm / 18"	3.00 m	2,500 kg
RD 800 B	Rigid	8 rows	from 50cm / 18"	6.20 m	2,600 kg
RD 800 FB	Folding	8 rows	from 50cm / 18"	3.30 m	3,100 kg
RD 1200 B	Rigid	12 rows	from 50cm / 18"	9.20 m	3,900 kg
RD 1200 FB	Folding	12 rows	from 50cm / 18"	4.80 m	4,200 kg
RD 1600 B	Rigid	16 rows	from 50cm / 18"	12.20 m	5,200 kg
RD 1600 FB	Folding	16 rows	from 50cm / 18"	6.40 m	5,800 kg
RD 1800 B	Rigid	18 rows	from 50cm / 18"	13.90 m	6,150 kg
RD 2400 B	Rigid	24 rows	from 50cm / 18"	12.70 m	6,400 kg

<sup>1)</sup> For 22" row spacings | <sup>2)</sup> For 20" row spacings



### Please note

The specified transport width and weight values are approximate and for reference only. The values in the chart are based on a standard-spec head offering a row width of 75cm / 30". Please contact us for information on other models and exact specifications.



### Gathering system ( 1 )

- ▶ Enclosed twin bearings at the front for particularly safe operation
  - ▶ Carbide auger flights and hardened scrapers ensure long service life and superior reliability

### Stalk cutter (red) & rotor knife ( 2 )

- ▶ Additional long-life coating
- ▶ Fully adjustable for greater precision

### Stalk cutters ( 3 )

- ▶ Replaceable carbide knives are coated for increased service life
- ▶ Additional counter-edges minimize the presence of stover in the threshing system, enabling greater levels of productivity and higher ground speeds





#### Cutter rotor ( 4 )

- ▶ 15 self-sharpening rotary knives for great longevity
- ▶ Special long-life coating
- ▶ Knives may be replaced individually

#### Cutter rotor ( 4 )

- ▶ The splined drive shaft between the gearbox and the rotor is push-fit for easy attachment and removal
- ▶ Labyrinth seals protect the system from debris and dirt

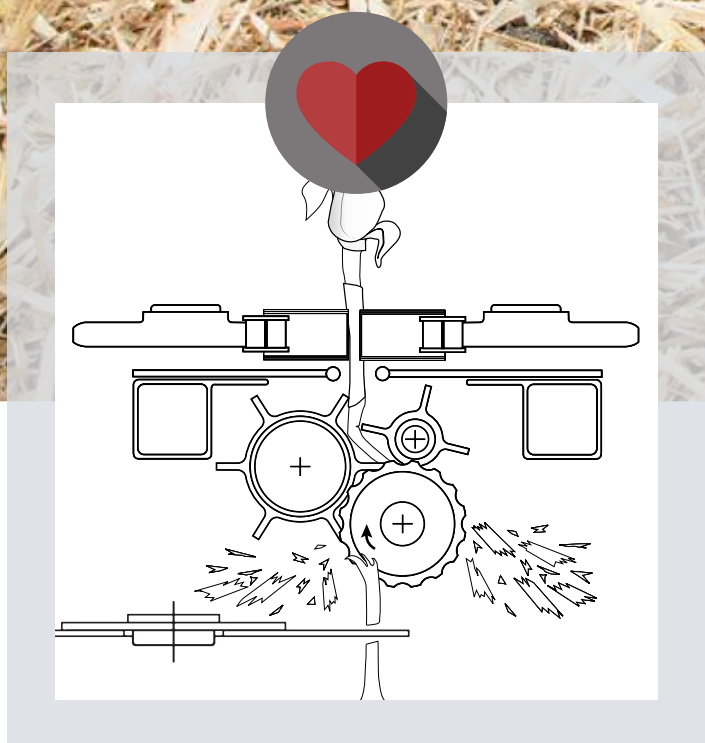
#### Row unit gearbox ( 6 )

- ▶ Lightweight, aluminum-magnesium alloy gearbox housing
- ▶ Integrated and maintenance-free dog coupling protects the snapping rolls from overload





## The Horizon Star\* II concept



Stalk and stubble management

### Work results

Two snapping rolls of different diameters grab the plant and pull it down in a uniform motion. At the same time the cutter rotor cuts the plant up into uniformly short sections.

The horizontal chopper cuts the plant close to the ground, leaving a very short stubble.

- ▶ Extremely short, uniform corn stubble
- ▶ Effective stalk splitting
- ▶ Maximum chopping quality to reduce disease and pest infestation
- ▶ Excellent distribution of chops
- ▶ Excellent rotting

Model	Version	No. of rows	Row width	Transport width	Approx. weight
HSII 400	Rigid	4 rows	from 50cm / 18"	3.20 m	1,900 kg
HSII 500	Rigid	5 rows	from 50cm / 18"	3.95 m	1,860 kg
HSII 600	Rigid	6 rows	from 50cm / 18"	4.70 m	2,200 kg
HSII 600 F	Folding	6 rows	from 50cm / 18"	3.00 m	2,600 kg
HSII 800 B	Rigid	8 rows	from 50cm / 18"	6.20 m	2,800 kg
HSII 800 FB	Folding	8 rows	from 50cm / 18"	3.30 m	3,400 kg
HSII 1200 B	Rigid	12 rows	from 50cm / 18"	9.20 m	4,300 kg
HSII 1200 FB	Folding	12 rows	from 50cm / 18"	4.80 m	4,700 kg
HSII 1600 B	Rigid	16 rows	from 50cm / 18"	12.20 m	5,510 kg

<sup>1)</sup> For 22" row spacings | <sup>2)</sup> For 20" row spacings



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### Gathering system ( 1 )

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### Snapping rolls ( 2 )

- ▶ Replaceable carbide knives are coated for increased service life
- ▶ Additional counter-edges minimize the presence of stover in the threshing system, enabling greater levels of productivity and higher ground speeds

### Cutter rotor ( 3 )

- ▶ 15 self-sharpening rotary knives for great longevity
- ▶ Special long-life coating
- ▶ Knives may be replaced individually





#### Drive train ( 4 )

- ▶ The splined drive shaft between the gearbox and the rotor is push-fit for easy attachment and removal
- ▶ Labyrinth seals protect the system from debris and dirt

#### Row unit gearbox ( 5 )

- ▶ Lightweight, aluminum-magnesium alloy gearbox housing
- ▶ Integrated and maintenance-free dog coupling protects the snapping rolls from overload

#### Horizontal chopper system ( 6 )

- ▶ Separate chopper gearbox made of an aluminum-magnesium alloy using Zerol®-splined bevel gears for maximum smoothness and perfect torque transmission
- ▶ Slip clutch integrated in the knife carrier protects the row unit from overload

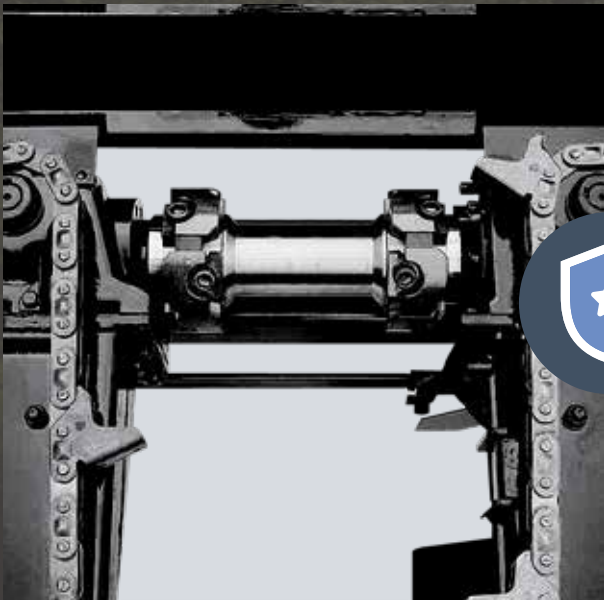


The Geringhoff folding system

## Fast travel between fields

### Positive connections, systematic folding

- ▶ All drivelines are coupled automatically to ensure all head sections are frictionally connected
- ▶ Maintenance-free, conical dog couplings ensure a proper connection
- ▶ Reliable operation as the hoods lock and open hydraulically





There is no doubt that a folded head makes road transport much easier and safer. What's more, it saves you money, as change-overs are faster so you can be more productive. Changing from transport to work position takes just a few minutes after pressing a button.

Your Geringhoff corn head has an automatic and self-adjusting drive coupler as standard, which allows it to fully tap into the combine's leveling feature. No need to couple the transmission shaft manually.





## Anything goes



1 Active sunflower kit

2 Passive sunflower kit

3 Manual speed selector

- ▶ Optional specification in sunflowers
- ▶ Field characteristics determine which system is recommendable

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- ▶ Field characteristics determine which system is recommendable

- ▶ 4-speed selector
- ▶ Perfectly matches individual speeds to corn and sunflower crops



4 Down corn auger

5 Ground sensor system

6 Stalk breakers

- ▶ Ideal for harvesting down crops
- ▶ Hydraulic drive system

- ▶ Automatic ground sensors for ground contouring
- ▶ Available with a self-leveling system (depending on combine model)

- ▶ Height-adjustable, spring-floated skids break the stubble
- ▶ Protects your tires
- ▶ Ensures minimum ground clearance

Geringhoff heads in individual combine livery

Order the paint finish that matches your combine





We are here to assist you.

Head of the class – no matter the crop



Geringhoff has been operating in the farm equipment industry since 1880. To this day, the company is a family-run business that is steered by the fifth generation. Over this extensive time, the image of our company has been shaped by many outstanding figures. The beginnings of Geringhoff date back to a small blacksmith shop and farm equipment trading company.

Today, this company has grown into a modern and international manufacturer of specialist harvesting technology which caters for a wide range of different crops that are farmed around the world.

As we strive to ease your workload and boost your productivity, we are focused on one single goal: to build head of the class heads - no matter the crop.





The logo for Geringhoff, featuring the word "GERINGHOFF" in a bold, italicized, sans-serif font. The letter "G" is significantly larger and more stylized than the other letters, which are in a smaller, uniform font.

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