

Transformer VF

 **HORSCH**



EFFICIENCY COMBINED WITH UTMOST PRECISION
WITH 6 TO 18 M



Transformer VF

UTMOST PRECISION COMBINED WITH A LONG SERVICE LIFE
AND MAXIMUM EFFICIENCY – TRANSFORMER VF

- High work rate and stability
- Robust and compact design

- Variability and precision
- Easy operation



A special feature of the Transformer VF is the close coupled frame design which is due to the fully integrated slide frame. This makes the machine compact and precise at the same time. The camera-controlled slide unit has a range of 450 mm to follow the crop rows in a targeted way. The compact design helps to save lifting power and allows for working with less powerful tractors. In addition, it facilitates working on slopes as the path between the rear axle of the tractor, the side control of the Transformer VF and the hoeing tool is extremely short. Thus, the directional stability is maximised.

The Transformer VF is available in working widths 6, 9, 12 and 18 m. The frame height of all models is 660 mm and moreover allows for a late use in high crops.

The design of the parallelogram provides for different row spacings. The unit also allows for row spacings of even 15 cm and 30 cm. In total, the Transformer VF can cover a row spacing range from 15 to 80 cm. The working depth can be adjusted easily – infinitely variable and without tools. Additional tools like crop protection discs and crop protection plates protect the plants in an early growth stage. The finger hoe and the ridging plates can for example be used for weed management in the row.

The changeable work mode of the camera control allows for switching between colour-dependent 2D row recognition and colour-independent 3D row recognition. The result is a wide range of applications where the system also recognises small plants starting at 2 cm.

The advantages of the RowLift (SectionControl) equipment include a constant work quality across the whole field and a reduction of the driver's workload. Overlapping and gaps on the headlands are reduced to a minimum. Double-acting lifting cylinders are available as an option for the parallelograms allowing for an increased coulter pressure and its adjustment while driving.

Optional equipment:

As an option, the points of the Transformer VF are also available with a carbide coating to increase the service life of the machine. A following harrow behind each parallelogram is also available as an option. The asymmetrical layout of the hoeing units allows for a track width of 2.25 m with a row spacing of 75 cm.



Runs along the plant row with utmost precision due to the optional camera Culticam



Reliable and precise hoeing along the plant row in different growth stages

Slide unit and basic equipment

Due to the integrated slide frame, the Transformer VF can precisely run along a plant row. With the narrow and stable welded EdgeOn tine, a minimum working depth can be achieved when hoeing. The design increases the directional stability and the release force of the tine. For very dry and hard conditions, a reinforcement spring can be fitted on the EdgeOn tine. With regard to the frame as well as to the layout of the hoeing units, major importance is attached to precision and long service life as well as to a flexible use in row spacings from 15 to 80 cm. To be able to maintain the working depth precisely even in light sandy soils, we recommend the larger, pneumatic wheel beside the standard depth control wheel. In addition, the coulter wheel pair (steel) can be replaced with two or four rubber wheels to prevent the machine from sinking.

- Slide frame with a slide range of 450 mm
- Different point options with a width ranging from 80 to 230 mm
- 3 different attachment areas
- Robust frame and hoeing unit design
- Compact design
- Versatile row spacings



Parallelogram equipment for 25 cm row spacing



Robust slide frame with a slide range of 450 mm



Wide parallelogram with central depth adjustment



Robust square bar frame with inside clamping

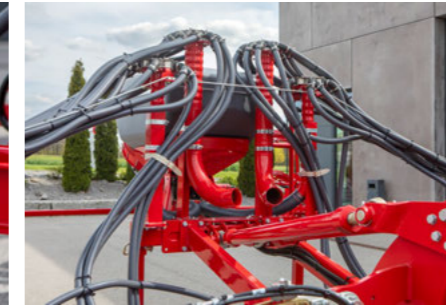
Fertiliser/Underseed mounting

To apply fertiliser in a targeted way at the plant row or under sown seed in the space between the rows, the Transformer can be equipped with a fertiliser unit. Either one or two distribution towers are used for the outlets the number of which depends on the plant rows. A MiniDrill can be mounted to apply under sown crops.

- Apply fertiliser at the plant row in a targeted way
- Apply under sown seeds in the space between
- The number of distribution towers and outlets is determined according to the plant rows



Deflector plate bar in combination with MiniDrill e.g. for under sown crops



Transformer 9 VF with MiniDrill mounting and fertiliser kit



Transformer 9 VF equipped with MiniDrill

Camera control

To guide the hoe along the row with utmost precision, we recommend using the optional camera Culticam. It can detect the plant in 2D or 3D mode even in difficult conditions. In addition, a light kit is available to allow for hoeing reliably even in difficult lighting conditions or at night.

- Highly precise steering along the plant row due to the optional camera Culticam
- In difficult conditions, the plant row can be captured in 2D or 3D mode.
- Light kit for working in twilight or in the dark
- Can be extended with a 2nd camera for even more operational reliability
- Can be extended with a joystick for headland situations
- Can be extended with feeler fingers for high populations like maize or sunflowers



Camera control Culticam with optional light kit for working in twilight or in the dark

RowLift

To achieve a constantly high precision even on a long working day, the machine can be equipped with an optional individual row lift system (RowLift). The fully automatic GPS-controlled application lifts individual hoeing units precisely and puts them down again.

- Constantly high precision due to individual lifting of the row unit (RowLift)
- Fully automatic GPS-controlled application lifts individual hoeing units precisely and puts them down again.



With RowLift, the hoeing units can be lifted and put down again precisely due to GPS control

Finger hoe

The finger hoe is mainly used for crops like soya. On the one hand the finger hoes break the soil in the crop row, on the other hand the weed in the row is torn out and/or buried. The finger hoes are spring-mounted at the stable parallelogram. Thus, they are also lifted via the RowLift system.

- Weed management close to the row
- For all row spacings from 45 to 80 cm
- The elastic “fingers” adapt to the soil
- Break crusted surfaces and fight small weeds in the plant row



The finger hoe allows for working precisely at or in the plant row, e.g. for maize.

Protection plates

Protection plates are recommended if you want to cultivate the crops in an early plant stage. They are ideal for sandy soils and fields with a few stones. Moreover, there should be little organic material as there is only a low self-cleaning effect compared to the protection disc. Due to the parallel plates, contour following is optimum and depending on the application, the plates can also be used if they are slightly lifted.

- Are recommended in the early plant stages to protect the crops
- For sandy soils and fields with a few stones and organic material
- Parallel plates with optimum contour following
- Plates can also be used if they are slightly lifted



Protection plates for driving fast without burying the plants



Protection plates in grain maize

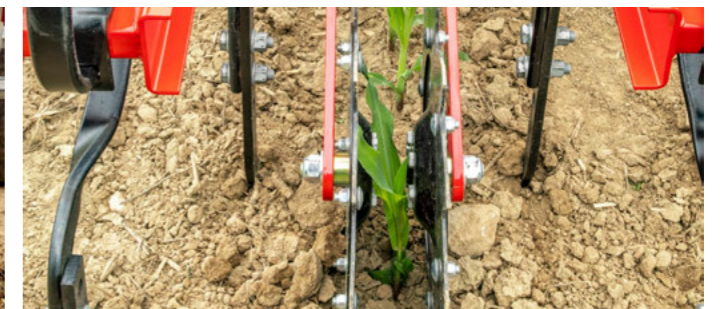
Protection discs

Like the protection plates, the protection discs are to protect the crops in an early growth stage. The discs are ideal for stony soils and a lot of harvest residues as due to the rotation of the disc there is a certain cleaning effect. You should generally be careful when hoeing if there is too much long, organic material in the field.

- To protect the crops in an early growth stage
- Ideal for stony soils and a lot of harvest residues
- Self-cleaning due to rotation of the disc
- You should generally be careful when hoeing if there is too much long, organic material in the field.

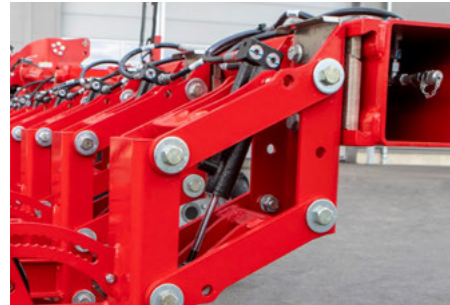


Protection discs in grain maize



Protection discs for driving fast without burying the plants

ADDITIONAL EQUIPMENT



Hydraulic downforce
Parallelogram with double-acting cylinder



One piece ridging plates



Ridge plate version "left/right"



Following harrow removes soil from cut weeds



Angle knives cut precisely along the plant row



Long service life due to carbide-reinforced EdgeOn tines

TECHNICAL DATA

Transformer VF	6 VF	9 VF	12 VF	18 VF
Working width (m)	6.00	9.00 / 6.00	12.00	18.00
Row spacing (cm)	15 / 25 / 30 / 45 / 50 / 60 / 70 / 75 / 80	15 / 25 / 30 / 45 / 50 / 70 / 75	15 / 16.60 / 25 / 30 / 45 / 50 / 70 / 75	25 / 30 / 70 / 75
Frame height in the field (mm)	660	660	660	660
Transport width (m)	2.95	2.95	2.95	5.85
Machine height (m)	3.10	3.13	3.97	4.67
Length (m)	2.40	2.60	2.60	2.60
Weight (kg)	1700	2950	3500	4500
Tyre size support wheels	23 / 10.50 - 12	23 / 10.50 - 12	23 / 10.50 - 12	23 / 10.50 - 12
DA control devices	2	4	5	5
Implement attachment	Cat. II/III	Cat. III	Cat. III	Cat. III
Horsepower requirement (kW/hp)	90 / 120	140 / 190	180 / 250	200 / 280





Your distributor

HORSCH Maschinen GmbH
Sitzenhof 1 · 92421 Schwandorf
Phone: +49 9431 7143-0
Fax: +49 9431 7143-9200
E-Mail: info@horsch.com

horsch.com

Paper: 120g/qm Maxi Offset. The paper is certified according to the EU Ecolabel. This label is only granted for products and services whose environmental consequences are considerably lower than those of comparable products. For more details see www.eu-ecolabel.de. Printing ink: Printing ink QUICKFAST COFREE. Free from mineral oil and cobalt. Moreover, it is certified and recommended for printing according to the „Cradle-to-Cradle“ principle (quasi “from the origin back to the origin”) – an approach that deals with the spreading of continuous and consequent recycling management. For more details see www.c2c-ev.de.

All specifications and diagrams are approximate and not binding. Technical features and design are subject to change.

EN-60119744 (11/2023)