

Key data		TerraDisc <sup>pro</sup>			TerraDisc <sup>pro</sup> TR			TerraDisc <sup>pro</sup> Hydro		
		300	350	400	300	350	400	400	500	600
Working width	m	3,0	3,5	4,0	3,0	3,5	4,0	4,0	5,0	6,0
Transport width	m	2,98	3,48	3,98	2,98	3,48	3,98	2,80		
Number of discs	pcs.	24	28	32	24	28	32	32	40	48
Disc-Ø	mm	510			510			510		
Performance	kW (HP)	66 (90) - 117 (160)	74 (100) - 132 (180)	88 (120) - 147 (200)	58 (80) - 117 (160)	66 (90) - 132 (180)	74 (100) - 147 (200)	103 (140) - 162 (220)	117 (160) - 191 (260)	132 (180) - 220 (300)
Weights										
Without roller	kg	1370	1560	1750	1640	1830	2020	2350	2600	2850
With Packer roller ZPW Ø 500 mm	kg	1810	–	2360	–	–	–	2930	3330	3730
With Terrapak tapered ring roller TPW Ø 600 mm	kg	1900	2210	2490	–	–	–	3090	3520	3910
With Rubber tapered ring roller GKRW Ø 580 mm	kg	1970	2280	2550	2240	2550	2820	3190	3640	4050
With tapered tube roller KTW Ø 660 mm	kg	2000	2350	2650	–	–	–	3250	3690	4110
With tire packer roller RPW Ø 630 mm	kg	1880	2160	2430	2150	2430	2700	3030	3460	3870
Harrow in front of roller	kg	70	85	100	70	85	100	100	130	150
Following harrow	kg	110	143	175	–	–	–	175	200	225
Edge plates	kg	60			60			60		

VN – The product range from the soil specialists



Ploughs



Cultivators



Rotary harrows



Mulchers / Shredders



Seed drills



Field sprayers

Ihr VN-Partner:

Compact disc harrows



The data and illustrations given here are non-binding and may be subject to change without notice.

Rössler Consult • 5/11



# Compact disc harrows for professionals

TerraDisc<sup>pro</sup>

Fast and Snappy !!!



Aggressive disc form and position guarantee very good introduction and best incorporation



TerraDisc<sup>pro</sup> 300



## More precise - faster - more efficient

The first stubble processing after the harvest already forms the base for the following cultures. It disrupts the capillarity of the stubble and protects moisture reserves in the soil. An intensive incorporation as well as the following consolidation grant a quick germination of drop out – grains and weed seeds, and therefore saves time and also increases overall profits.

The new TerraDisc<sup>pro</sup> meets these requirements perfectly: The new form of the disc provides an outstanding mixing effect and good penetration of the soil, even with difficult soil conditions. This allows a higher

working speed. A wide range of roller designs ensures optimum working results whatever the ground conditions. The TerraDisc<sup>pro</sup> also has huge clearances and the new frame

construction ensures smooth work even with large quantities of crop residues. The TerraDisc<sup>pro</sup> ensures a precise, quick & efficient work rate even under extreme conditions.

## The "snappy" 3-point linkage

### Advantages TerraDisc<sup>pro</sup>

Outstanding soil penetration in heavy or hard soils due to new positioning and form of the discs

High straw clearance owing to the high frame and the clearances between the discs and disc-holders

Intensive incorporation and mixing of organic materials, such as corn straw

Easily folded edge discs enable effective exploitation of the nominal working widths of 3.0 / 3.5 / 4.0 m for transport widths of < 3.0 / 3.5 / 4.0 m

Excellent handling with simple and central working depth adjustment (optionally hydraulically adjustable)

Extensive choice of different rollers for all operating conditions

A new disc shape and position give the TerraDisc<sup>pro</sup> excellent ground entry which enables fast working speeds even in difficult conditions such as very heavy or hard soil. That means even the fixed versions of the TerraDisc<sup>pro</sup> achieve outstanding coverage and efficiency in stubble cultivation and mulch-seed bed preparation.



The TerraDisc<sup>pro</sup> is available with working widths of 3.00, 3.50\* and 4.00\* meters in a fixed frame

\* Transport width more than 3.00 m



## TerraDisc<sup>pro</sup> TR



TerraDisc<sup>pro</sup> 300 TR trailed version

### Trailing is easier than lifting!

#### Advantages TerraDisc<sup>pro</sup> TR

Trailing makes no demands of the tractor lifting force

Outstanding user comfort with standard hydraulic depth adjuster with memory cylinder

Exceptional straw throughput thanks to high frame and clearances between discs and disc supports

The TerraDisc<sup>pro</sup> TR can be converted with a few hand adjustments back to a 3-point mounted tool and a mounted tool can also be retrofitted to the trailed TR version.

Intensive incorporation and mixing of high quantities of organic materials such as maize straw

Easily-folded edge discs enable effective exploitation of the nominal working widths of 3.0 / 3.5 / 4.0 m for transport widths of < 3.0 / 3.5 / 4.0 m

The TerraDisc<sup>pro</sup> TR is the optimum tool for tractors with less lifting capacity. The tool uses the tyre packer roller or rubber tapered ring roller not only for depth control and re-consolidation but also as the chassis. The stable drawbar allows a very high full lock and makes the assembly extremely nimble at the headland. The TerraDisc<sup>pro</sup> TR is equipped with an innovative hydraulic system: a memory cylinder automatically repositions the tool to the preset working depth after each lift. In addition, the working depth can be hydraulically adjusted up or down during travel - as standard!



The TerraDisc<sup>pro</sup> TR is available with working widths of 3.00, 3.50\* and 4.00\* meters in a fixed frame design

\* Transport width more than 3.00 m

## TerraDisc<sup>pro</sup> Hydro



TerraDisc<sup>pro</sup> 600 Hydro

### Top-of-the-range compact disc harrow

#### Advantages TerraDisc<sup>pro</sup> Hydro

The robust design ensures safety in professional use in all conditions

Exceptional straw throughput thanks to high frame and clearances between discs and disc supports

Reduced lifting force required thanks to new compact design

Intensive incorporation and mixing of high quantities of organic materials such as maize straw

Excellent handling with simple and central working depth adjustment (optionally hydraulically adjustable)

Mechanical transport locks with automatic hydraulic unlocking

With outstanding quality of work and sophisticated modern design, the TerraDisc<sup>pro</sup> Hydro is the premium compact disc harrow on the market. Intensive mixing paired with optimum crumbling creates optimum conditions for mulch-sowing while the wide range of different roller designs enables individual adjustment of the equipment to practically any requirement.

The hydraulic folding mechanism of the TerraDisc<sup>pro</sup> Hydro is designed with two large-scale cylinders while the necessary safety is provided by a mechanical locking mechanism with automatic hydraulic unlocking prior to extension.



The TerraDisc<sup>pro</sup> Hydro is available with working widths of 4.00, 5.00 and 6.00 meters in hydraulic folding frame design



## Advanced technology



### Toothed mulch-discs

The ideal dimensions of 510 mm diameter, as well as the especially concave form of the discs, combined with the new intrusion angle reach excellent penetration manners. This makes working possible in heavy and hard soils. Additionally the good penetration enables higher working speeds, because the machine cannot float up. The roughly rigged form supports this effect, and grants effective crumbling and optimal sprouting conditions.



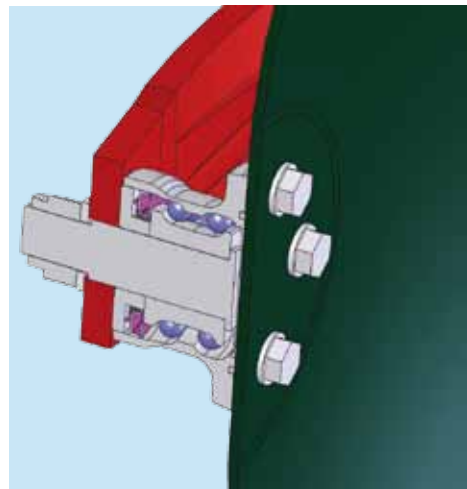
### Flexible disc suspension

The socket of the discs in rubber elements grants maintenance freedom and security of use. These spring elements offer perfect adjustment to the soil when working with a low working depth, and therewith make a processing of soil unevenness and driving-tracks possible. Additionally the rubber elements serve as a useful overload protection for stones.



### Effective working width – foldable edge discs

The nominal working width is reached by the overlapping of only one disc; this prevents the occurrence of only partly processed streaks at the edge of the field. The new edge disc can be folded comfortably with little force, and ensure a width of less than 3 m.



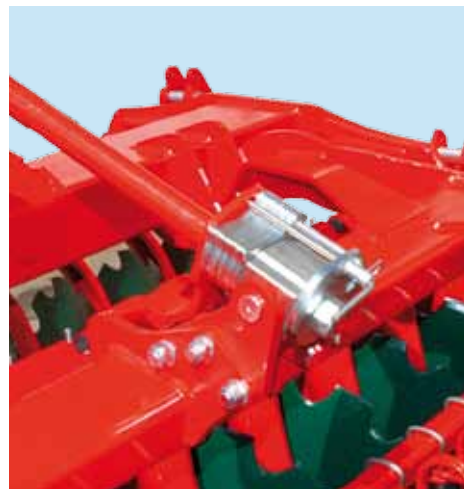
### Disc bearings

The new TerraDiscpro has solely been equipped with upscale SKF-bearings. The maintenance-free two-rowed angular bearings are sealed threefold and greased constantly, so moisture and dirt don't stand a chance. The screwed attachment of the bearingaxis to the disc holder improves the ease of servicing immensely and avoids useless repair costs.



### Edge plates (optional)

The optionally available edge plates can in certain situations prevent ridges by the outer discs, and therewith ensure a perfect junction between the working widths. As well as the edge discs, the edge plates are comfortably foldable and ensure a transport width of less than 3,00 alternatively 3,50 / 4,00 m (fixed machines).



### Working depth adjustment

The mechanic adjustment of the working depth ensures from the rear of the machine very comfortably and with foldable depth limiter. Optionally a hydraulically adjustable depth adjustment can be chosen (TerraDiscpro TR series with memory cylinder) which enables a complete adjustment of the whole adjustable area while driving, which is very convenient, for example for temporary depth changes for the complete processment of the driving-tracks.

## Rollers

The choice of the roller influences the whole way of working and characteristics of use of the compact disc harrow. VN offers the right roller for all working conditions with five different roller designs in different working widths.



### Tire packer roller Ø 630 mm

- High load capacity in light soils, the roller does not "sink"
- Very good ground drive thanks to angular shoulder profile, high degree of operational reliability
- Reconsolidation in distinct strips
- Highly suitable for subsequent mulch sowing
- No risk of blockages by stones



### Packer roller Ø 500 mm

- Tough in stony conditions
- Excellent ground drive with individually welded teeth
- Lighter than terrapak or rubber tapered ring roller



### Terrapak tapered ring roller Ø 600 mm

- Ensures perfect leveling, compresses and closes soil.
- The runners between the rings are height-adjustable and thus support the consolidation intensity. They also provide reliable cleaning of the rollers.
- Particularly suitable for subsequent mulch sowing



### Tapered tube roller Ø 660 mm

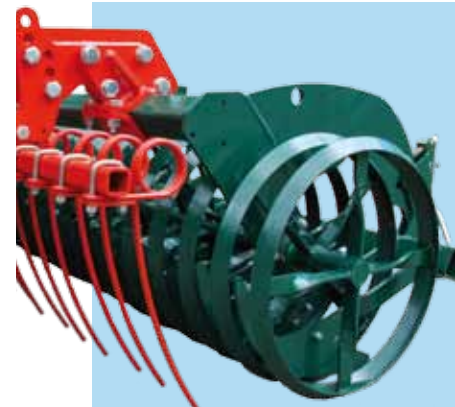
- High loading capacity in light soils
- Good ground drive also in light and sandy grounds
- Tough in stony conditions
- High consolidation
- Grooved consolidation, highly suitable for subsequent mulch sowing



### Rubber tapered ring roller Ø 580 mm

- Leaves behind an intensive grooved surface with consolidation in line form
- Excellent self-cleaning
- Highly suitable for subsequent mulch sowing

## Harrow tine

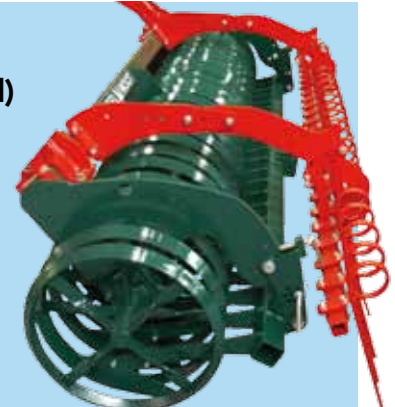


### Harrow tine in front of roller (optional)

Der zwischen Scheiben und Walze befindliche Striegel leitet das Erdreich-/Stroh-Gemenge vor der Walze nach unten ab und sorgt damit für beste Strohverteilung. Empfohlen für offene Walzen wie die Terrapak-Walze.

### Following harrow tine to the rollers (optional)

All rollers are also available with a following harrow. With 12 mm thick tines, which are adjustable in tilting and height, the harrow ensures optimal alignment of the straw, and prevents quick growth of weeds.



Not available for TerraDisc<sup>PRO</sup> TR models!