

PÖTTINGER TERRADISC

Compact disc harrows





TERRADISC

Give the soil “life” ...

In modern agriculture, new cultivation systems have bolstered the trend towards minimal tillage. After the harvest, the soil and crop residues must be worked to encourage early establishment of the new crop. This mixture of straw and soil creates optimal living conditions for soil organisms. The specialist's tool for non-inversion soil working is the compact disc harrow TERRADISC. It is a versatile tool and it can also be used for seed bed preparation.



“Technology and knowledge result from the understanding of nature”
Motto of the new Pöttinger Center for Technology and Development.

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TERRADISC



Compact disc harrows

The short design is an important trademark of the TERRADISC compact disc harrow. The inter disc gang distance is only 31.5" / 800 mm. With the TERRADISC a disc overlap of 1.2" / 3 to 4.7" / 120 mm can be selected. The angle of the two rows of discs is identical, thus reducing the side-ways pull significantly.

TERRADISC K – foldable

Two double-acting hydraulic cylinders with mechanical transport interlocks are used to fold the harrow. The transport width is just 2.80 m.

TERRADISC T – trailed

A transport chassis supports the machine, less stress and load on the tractor linkage.

TERRADISC	3000	4000	4000 K / T	5000 K / T	6000 K / T
Working width	9.84" / 3.0 m	13.12" / 4.0 m	13.12" / 4.0 m	16.4" / 5.0 m	19.68" / 6.0 m
Number of discs	24	32	32	40	48
Height of frame	31.5" / 800 mm	31.5" / 800 mm	31.5" / 800 mm	31.5" / 800 mm	31.5" / 800 mm
Inter disc gang distance	31.5" / 800 mm	31.5" / 800 mm	31.5" / 800 mm	31.5" / 800 mm	31.5" / 800 mm
Transport width	9.84" / 3.0 m	13.12" / 4.0 m	9.18/9.84" / 2.8/3.0 m	9.18/9.84" / 2.8/3.0 m	9.18/9.84" / 2.8/3.0 m
All information is provided without obligation					



TERRADISC



Building on and building up

The new TERRADISC short disc harrow features a sturdy main frame with 2 cross beams for the discs and mounting arms for rear rollers. Overlap adjustment of the discs allow high forward speeds. Pure power.

The TERRADISC top link hitch inclination can be adjusted, enabling ideal matching to the tractor. This optimized hitching geometry improves ground clearance on headland turns and during transport

Individually attachable – highest quality materials

- The manouverable, compact machines are attached to an integral hitch. Both the top link and lower linkage mountings offer a choice of three positions. This allows the machine to be adjusted for varying tyre dimensions. To achieve the best traction, the position of the lower tractor linkage should be inclined slightly up towards the machine.
- The top link hitch can be inclined. This ensures ample lift height, improving ground clearance when turning and transporting.
- Linkage Specification: Cat II or Cat III.



- The welded, twist-resistant main frame is massively constructed. The two disc mounting cross bars are connected via two swiveling parallel links. The links are bolted directly to the main frame.
- For the disc mounting frame too, only the highest quality materials are used.
- The short construction is a key feature. The first row of discs is very close to the hitch. The inter gang distance is 31.5' / 800 mm. The entire machine length including rear roller does not exceed 9.84' / 3.0 m. This compact construction guarantees stable and comfortable handling of the machine.
- 31.5' / 800 mm frame height ensures good flow through even tall stubble.



TERRADISC



Precision adjustment

- Depending on the type of soil, working depth and speed, the two rows of discs can be moved centrally in 5 stages.

Maintenance-free bearings

- The two-row taper ball bearings were taken from the construction machine industry. Their durability and reliability are therefore guaranteed. The configuration of the bearings results in better absorption of axial and radial shock loads.
- A 6-ply labyrinthine seal, seals the bearings completely. Risk free servicing is ensured because no maintenance is required on these sealed disc bearing assemblies.

Cultivating discs for perfect work

A level seedbed with the even mixture is what's needed in the field. That's why Pöttinger has optimized the combination of shape, size, adjustment angle, and depth of the discs. The result: no-compromise penetration with the best possible crumbling and mixing of the soil.

Small inter disc distances

- Cultivating discs made of hardened special steel are an aggressive working tool. The offset arrangement of the two disc mounting bars ensures a good mixture of soil and straw. The large discs, with their 20" / 510 mm diameter, are available in either scalloped or plain versions. The small 4.92" / 125 mm inter disc gang distance makes it possible to effectively fit 8 discs per meter of working width.
- The discs are inclined from both the direction of travel and the ground. This position ensures better traction in the soil. The optimized adjustment angle is the same for both rows of discs and results in the best possible tracking without pulling to the side.
- Comprehensive mixing of the soil is guaranteed over the full working width.



Non stop stone protection

- Each disc is attached to the disc mounting frame via clamps which encapsulate four rubber elements ensuring a positive attachment of the disc assembly. The large diameter of the rubber elements allows the discs to move and reduce the risk of trapping stones.
- When foreign bodies are encountered, the integrated rubber elements allow the discs to move aside. After the obstacle is past, the Coulter discs are automatically moved back into the working position. Maintenance-free non-stop stone protection!



TERRADISC



... to meet high expectations

A long useful lifetime is guaranteed only by precise machining and strong connections. At Pöttinger, high-quality machining is standard.

Equipped to deliver the best results



Edge discs

- To reduce the risk of blockages, edge discs are attached at either side with deflector boards. The edge discs are adjustable in height and horizontally. Their distance from the cultivating discs can also be adjusted. Non-stop safety off the shelf.

Tine harrow

- The spring-mounted tine harrow deflects the flow of soil towards the rear roller while crumbling and levelling the ejected soil. They work in harvest residues very effectively and also ensure that the soil is uniformly crumbled.
- The tine harrow is connected to the rear roller. The position of the tines is linked to the working depth adjustment.
- Wide range of adjustment options: the tine harrow is adjustable in height and inclination. The distance from the last row of discs can also be changed.

Perfect adjustment

- The rear rollers of the TERRADISC handle the working depth control. A precisely adjustable hole matrix allows different working depths to be selected.

TERRADISC T



The transport chassis ensures that the rear axle of the tractor is not overloaded.

TERRADISC T Trailed version

Trailed TERRADISC harrows have been developed for large scale cultivation of stubble and general seedbed preparation. These trailed disc harrows offer a wide working width but can be folded for road transport so that the transport width does not exceed 3.0 metres and the transport height is below 4.0 metres.

The transport chassis is raised for work in the field so that additional weight is applied to the cultivating discs and no wheel tracks are left behind. This also ensures reliable penetration on heavy, dry and hard ground.

TERRADISC	4000 T	5000 T	6000 T
Working width	13.12" / 4.0 m	16.4" / 5.0 m	19.68" / 6.0 m
Number of discs	32	40	48
Height of frame	31.5' / 800 mm	31.5' / 800 mm	31.5' / 800 mm
Inter disc gang distance	31.5' / 800 mm	31.5' / 800 mm	31.5' / 800 mm
Transport width	9.84" / 3.0 m	9.84" / 3.0 m	9.84" / 3.0 m

All information is provided without obligation



- Standard Tyres 500/45 17. Optional 560/45 22.5 for softer conditions.
- These trailed machines can be supplied with air brakes or hydraulic brakes to enhance safety while travelling at the maximum permissible speed of 40 kph. The parking brake meets all legal requirements.



TERRADISC T



The length and inclination of the drawbar are adjustable. An ideal match to every tractor and rear roller is ensured as a result. This optimised mounting geometry improves ground clearance at headlands and during transport.

Trailed machines for large scale cultivations

- The length and height adjustable drawbar is coupled to the lower links. Mounting to Cat. II and Cat. III is possible using the double flanged hitch. The practical hose holder and two parking struts are standard.
- A turning angle of up to 95° is possible with tractor widths of 4,200 mm.
- The chassis is also adjustable to allow the machine to be ideally matched to a range of tractors and rear rollers.





Hydraulic folding

- The hydraulic folding of the frame enables convenient and hassle-free road transport, with a width of less than 10' / 3 m. Ample ground clearance allows problem free folding.
- In the transport position the frame is locked securely by a hydraulically actuated safety latch.
- The wide chassis can also be lowered during transport to reduce the centre of gravity to improve stability on the road.



TERRADISC



Rollers to suit the soil

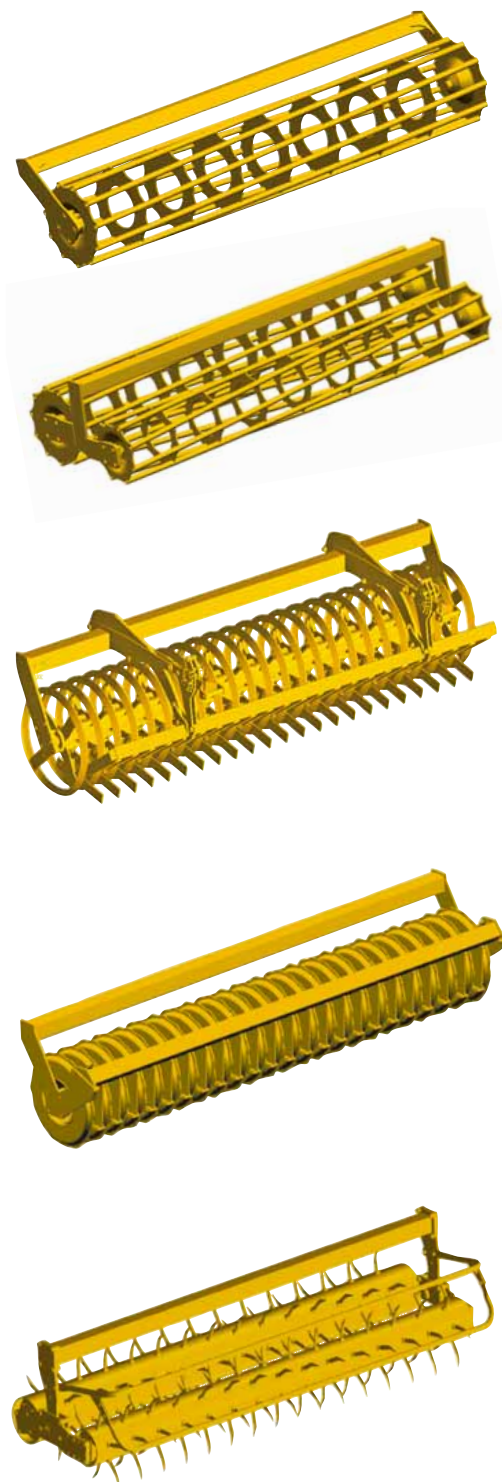
TERRADISC	Cage Roller 21.3" / 540 mm	Cage Roller 26" / 660 mm	Double Cage Roller 21.7/16.5" / 540/420 mm	Knife Ring Roller 23.6" / 600 mm	Packer Ring Roller 21.7" / 550 mm	Roto Pack Roller 10.6" / 8.5" / 270 / 215 mm
3000	●	●	●	●	●	●
4000	●	●	●	●	●	
4000 K	●	●	●	●	●	
5000 K	●	●	●	●	●	
6000 K	●	●	●	●	●	
4000 T		●	●		●	
5000 T		●	●		●	
6000 T		●	●		●	

Roller versions and applications

Type	Use on moist soil			Use on soil type		
	dry	medium	moist	light	medium	heavy
Cage Roller 21.3"/540 mm	●	●		●	●	
Cage Roller 26"/660 mm	●	●		●	●	
Double Cage Roller 21.7/16.5" / 540/420 mm	●	●		●	●	
Knife Ring Roller 23.6" / 600 mm	●	●	●	●	●	●
Packer Ring Roller 21.7" / 550 mm	●	●	●	●	●	●
Roto Pack Roller 10.6/8.5" / 270/215 mm	●	●	●	●	●	●

Rear rollers – it's your choice

Pöttinger provides a wide range of rear rollers that give perfect operating results, with the desired crumbling structure, in any type of soil. Our entire range of rollers features precise machining and robust construction.



Cage Roller

The ideal roller for dealing with dry, non-sticky soils. The roller is fitted with tubular bars for optimal consolidation. Diameter 21.7" / 540 mm, eleven bars or 26" / 660 mm, twelve bars.

Double Cage Roller

A combination with different diameter rollers: 21.7" / 540 mm front and 16.5" / 420 mm rear. The pendular function ensures optimal crumbling and adjustment to the contours of the ground.

Knife Ring Roller

The advantages of the cutting ring roller (23.6" / 600 mm diameter) include enhanced crumbling and compression by means of wedge-shaped rings. The blades between the rings crush the lumps of earth and also clean the spaces between them.

Compression in strips has the advantage that water can be absorbed better. The correct choice for dry, difficult soils.

Packer Ring Roller

The shoulder rings have a diameter of 22" / 550 mm, and there are eight rings per metre of working width.

The roller leaves behind consolidation in strips, promoting water absorption and soil respiration. This is the ideal roller for stony, damp soil conditions and large quantities of organic material.

Roto Pack Roller

Two aggressive tine rotors that reach into each other, crumble and mix particularly well. Each rotor consists of a central tube. The front rotor has a diameter of 11" / 270 mm, the rear rotor 8.5" / 215 mm (tine external diameter is 24" / 600 mm and 21.5" / 545 mm). The pendular suspension ensures the best adaptation to any unevenness of the terrain.

Rotopack rotors mix particularly intensively – for light to heavy, non-sticky soils.

Harvest residues remain on the surface of the soil and protect the soil against drying. (Only up to 3.0 m working width).

VINODISC



VINODISC for orchards and vineyards

Mulching in orchards and vineyards is taking on increasing significance. Organic material is mixed with soil, improving its fertility and reducing erosion. The treatment is also a mechanical means of weed control.

The short construction is a significant feature, with the first row of discs very close to the hitch. The inter disc gang distance is 26.8' / 680 mm. The entire structural length including rear roller does not exceed 6.56" / 2.0 m.

VINODISC	120	145	170
Working width	3.93" / 1.20 m	4.76" / 1.45 m	5.58" / 1.70 m
Number of discs	10	12	14
Height of frame	28.35' / 720 mm	28.35' / 720 mm	28.35' / 720 mm
Inter Disc Gang Distance	26.77' / 680 mm	26.77' / 680 mm	26.77' / 680 mm
Transport width	3.93" / 1.20 m	4.76" / 1.45 m	5.58" / 1.70 m

All information is provided without obligation



Compact design

Thanks to its short and compact construction, the centre of gravity is close to the tractor's rear axle. As a result it is ideal for applications with lightweight vineyard and orchard tractors.



VINODISC



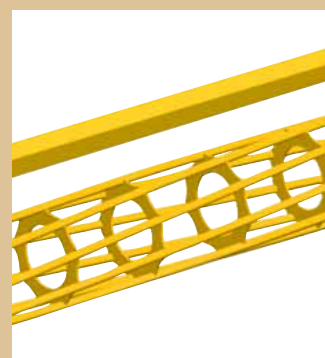
Non stop stone protection

Each disc is fastened to the disc frame via clamps. In the clamp, four rubber elements ensure the fastening of the disc assembly.

When foreign bodies are encountered, the integrated rubber elements allow the discs to move aside. After the obstacle is past, the cultivating discs are automatically moved back into the working position. Maintenance-free non-stop stone protection!

Rear Cage Roller

The cage roller, with a 16.5' / 420 mm diameter, is available as a rear roller. The roller is equipped with nine strong tubular bars for optimum reconsolidation.



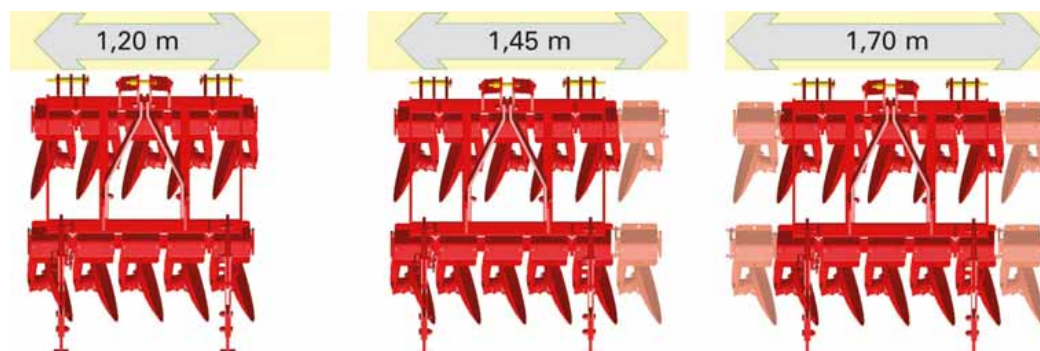
For orchards and vineyards

Highest quality materials

- The welded, twist-resistant main frame is rigidly connected to the disc mounting bars. 28.3' / 720 mm of frame height make for an easy flow even given a large depth of organic material.

Compact construction

- The short construction is a significant feature. The first row of discs is very close to the hitch. The inter disc gang distance is 26.8' / 680 mm. The entire machine length including roller does not exceed 6.56' / 2.0 m.
- The VINODISC is of a modular construction. This allows working widths of 3.94, 4.76 and 5.58' / 1.20, 1.45 und 1.70 m to be configured.



Small inter disc distances

- Coulter discs made of hardened special steel are an aggressive working tool. The large discs, with their 20' / 510 mm diameter, are available in either scalloped or plain versions. The small 4.92' / 125 mm inter disc distance makes it possible to fit 8 discs per meter of working width effectively.
- The outer discs can be adjusted for height, thus preventing damming.



Technical data

TERRADISC	Mounting	Working width	Transport width	Number of discs	Disc diameter
TERRADISC 3000	Cat. 2 / 3	9.84' / 3.0 m	9.84' / 3.0 m	24	20' / 510 mm
TERRADISC 4000	Cat. 2 / 3	13.12' / 4.0 m	13.12' / 4.0 m	32	20' / 510 mm
TERRADISC 4000 K	Cat. 2 / 3	13.12' / 4.0 m	9.19" / 2.8 m	32	20' / 510 mm
TERRADISC 5000 K	Cat. 2 / 3	16.40' / 5.0 m	9.19" / 2.8 m	40	20' / 510 mm
TERRADISC 6000 K	Cat. 2 / 3	19.68' / 6.0 m	9.19" / 2.8 m	48	20' / 510 mm
TERRADISC 4000 T	Cat. 2 / 3	13.12' / 4.0 m	9.84' / 3.0 m	32	20' / 510 mm
TERRADISC 5000 T	Cat. 2 / 3	16.40' / 5.0 m	9.84' / 3.0 m	40	20' / 510 mm
TERRADISC 6000 T	Cat. 2 / 3	19.68' / 6.0 m	9.84' / 3.0 m	48	20' / 510 mm

VINODISC	Mounting	Working width	Transport width	Number of discs	Disc diameter
VINODISC 120	Cat. 2	3.94" / 1.20 m	3.94" / 1.20 m	10	20' / 510 mm
VINODISC 145	Cat. 2	4.76" / 1.45 m	4.76" / 1.45 m	12	20' / 510 mm
VINODISC 170	Cat. 2	5.58" / 1.70 m	5.58" / 1.70 m	14	20' / 510 mm






Disc spacing	Inter disc gang distance	Height of frame	Power requirements from kW / HP	Weight without roller	Coverage capability acres/ha/h
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	70 / 95	2976 lbs / 1350 kg	7.4 to 9.9 / 3 to 4
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	100 / 135	4188 lbs / 1900 kg	9.9 to 14.8 / 4 to 6
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	100 / 135	4850 lbs / 2200 kg	9.9 to 14.8 / 4 to 6
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	125 / 170	5597 lbs / 2539 kg	12.3 to 18.5 / 5 to 7.5
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	150 / 204	6250 lbs / 2835 kg	14.8 to 22.2 / 6 to 9
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	100 / 135	7496 lbs / 3400 kg	9.9 to 14.8 / 4 to 6
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	125 / 170	8243 lbs / 3739 kg	12.3 to 18.5 / 5 to 7.5
4.92' / 125 mm	31.5' / 800 mm	31.5' / 800 mm	150 / 204	8895 lbs / 4035 kg	14.8 to 22.2 / 6 to 9

Disc spacing	Inter disc gang distance	Height of frame	Power requirements from kW / HP	Weight without roller	Weight with Cage Roller
4.92' / 125 mm	26.77' / 680 mm	28.35' / 720 mm	33 / 45	1102 lbs / 500 kg	1312 lbs / 595 kg
4.92' / 125 mm	26.77' / 680 mm	28.35' / 720 mm	33 / 45	1268 lbs / 575 kg	1477 lbs / 670 kg
4.92' / 125 mm	26.77' / 680 mm	28.35' / 720 mm	33 / 45	1407 lbs / 638 kg	1653 lbs / 750 kg

Weight of rear rollers

	Tine harrow	Cage Roller 21.3" / 540 mm	Cage Roller 26" / 660 mm	Double Cage Roller	Knife Ring Roller	Packer Ring Roller	Roto Pack Roller
TERRADISC 3000	187 lbs / 85 kg	717 lbs / 325 kg	937 lbs / 425 kg	1147 lbs / 520 kg	1058 lbs / 480 kg	1312 lbs / 595 kg	882 lbs / 400 kg
TERRADISC 4000	311 lbs / 141 kg	1058 lbs / 480 kg	1345 lbs / 610 kg	344 lbs / 760 kg	1962 lbs / 890 kg	1808 lbs / 820 kg	—
TERRADISC 4000 K	311 lbs / 141 kg	1058 lbs / 480 kg	1345 lbs / 610 kg	344 lbs / 760 kg	1962 lbs / 890 kg	1808 lbs / 820 kg	—
TERRADISC 5000 K	364 lbs / 165 kg	1235 lbs / 560 kg	1588 lbs / 720 kg	1940 lbs / 880 kg	2026 lbs / 919 kg	2205 lbs / 1000 kg	—
TERRADISC 6000 K	375 lbs / 170 kg	1433 lbs / 650 kg	1874 lbs / 850 kg	2293 lbs / 1040 kg	2324 lbs / 1054 kg	2624 lbs / 1190 kg	—
TERRADISC 4000 T	311 lbs / 141 kg	—	1345 lbs / 610 kg	344 lbs / 760 kg	—	1808 lbs / 820 kg	—
TERRADISC 5000 T	364 lbs / 165 kg	—	1588 lbs / 720 kg	1940 lbs / 880 kg	—	2205 lbs / 1000 kg	—
TERRADISC 6000 T	375 lbs / 170 kg	—	1874 lbs / 850 kg	2293 lbs / 1040 kg	—	2624 lbs / 1190 kg	—

Optional equipment

TERRADISC 3000 4000 4000 K 5000 K 6000 K 4000 T 5000 T 6000 T	Edge Discs – (Pair)	Tine Harrow	Marker Boards & Lighting Standard on T - Models
			



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