Compact disc harrows
from 8 metres wide
TERRADISC

PÖTTINGER

For the best soil movement

97+238.EN.0925

For the best soil movement

All information on technical data, dimensions, weights, output, etc. and the images shown, are approximate and are not binding. The machines shown do not feature country-specific equipment and may include equipment that is not supplied as standard, or is not available in all regions. Your PÖTTINGER dealership would be pleased to provide you with more information.

The TERRADISC compact disc harrows have been developed primarily for stubble cultivation and seedbed preparation to a depth of between 5 and 15 cm. The compact design and aggressive angle of the 580 mm discs ensure reliable soil entry and intensive incorporation of harvest residues. The trailed, horizontally folding TERRADISC T and TERRADISC HT compact disc harrows impress with working widths of up to 12.5 m and operating speeds of up to 18 kph for maximum output.

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The best soil

Soil is the source

Fertile soil is the most important resource for agriculture and is only available for arable farming to a limited extent. That is why it is essential that it is conserved very carefully to ensure the sustainable production of high-quality food and animal feed.

Healthy soil with a natural tilth structure and optimum pore distribution with no harmful compaction allows the crop to develop strong and deep roots.

Tillage is about changing the structure of the soil. Shallow cultivation with the TERRADISC disc harrow conserves much of the soil structure stabilised by plant roots and soil organisms in the deeper soil layers. This does more than improve the resilience of the soil when being driven over. It also causes less disturbance to soil habitat, as there is much less deep movement of the soil.

Conserving soil water

Water is one of the most important site-specific factors in arable farming. Especially during dry periods, the availability of water is essential for germination, plant development and crop yield. Differences are particularly noticeable from one location to another and it is essential that cultivation methods are implemented that conserve water.

With the help of conservation tillage with the TERRADISC and a crumbly soil surface, the capillary rise of water to the soil surface can be interrupted, without excessive loosening of the soil. This keeps the water in the soil and prevents unproductive water evaporation while the soil is ready to be planted. Additional ground cover protects the soil from direct sunlight and creates shade.

Conserving the soil

Even on slopes with a gradual gradient, there is risk of soil erosion in the event of heavy rainfall. Organic material maintained on the soil surface by the conservation tillage with the TERRADISC reduces the energy of water droplets as they impact the surface. The soil is therefore not directly exposed to rain, and the soil particles are protected from extreme weather conditions.

This prevents ponding, and retains the surface structure and natural infiltration capacity of the soil. In addition, the material on the surface significantly slows down rainwater run-off and prevents the water from displacing the soil.

Revitalising the soil

Conservation tillage using the TERRADISC compact disc harrow leaves organic matter on the soil surface or incorporates it only into the top layer, making it available as a source of nourishment for soil life. As a result, organic material is decomposed by living organisms and made available again as a nutrient for the next crop.

At the same time, organic matter is enriched by soil organisms in the form of humus from organic plant residues. This creates a stable soil structure in the course of living soil stabilisation. The best-known helper here is the earthworm, which, together with bacteria, converts large quantities of organic residues, having a phytosanitary and sanitising effect.

Reliable tillage

Perfect incorporation

The perfect incorporation of harvest residues, topsoil, and activation of inoculant bacteria in the residues, accelerates the conversion and decomposition of organic matter by soil life. In addition, the organic matter needs to be incorporated into the soil and distributed evenly across the field.

With the TERRADISC, PÖTTINGER offers perfectly matched tillage tools that meet these requirements in the field, and which have been optimised in terms of size, geometry, deflection angle, and degree of aggressiveness. Among other things, that is why the TERRADISC is fitted with the proven TWIN ARM system and discs with a diameter of 580 mm. The weight of the TERRADISC also ensures reliable performance and excellent soil entry.

Universal from shallow to medium depth tillage

All over the world, shallow tillage is becoming increasingly important. Thanks to its optimised tillage tools, the TERRADISC enables shallow and full-surface movement from a depth of 5 cm. Tillage depths of up to 15 cm are also possible for incorporating high volumes of organic material or for medium-depth loosening before drilling. The generous clearance between the disc, support arm and frame ensures a free flow of soil and blockage-free operation.

From seedbed preparation and stubble cultivation to the spreading and incorporation of fertilisers and cover crops, the TERRADISC covers the full range of universal applications, making it cost-effective to use.

Consistent working results

Uniform tillage depth across the full width of the machine and a level soil surface are decisive for the effectiveness of the cultivation process and the success of the steps that follow.

The design of the TERRADISC disc harrow allows optimum adaptation to the ground. Precision adjustments and additional equipment options help to achieve perfect results.

Together with the wide range of rear rollers, this ensures optimum germination conditions for volunteer seeds and weeds during stubble cultivation, or cover crops when deploying the disc harrow in combination with a seed drill. During seedbed preparation, it creates a uniform seedbed, which ensures optimum conditions for subsequent drilling and crop growth.

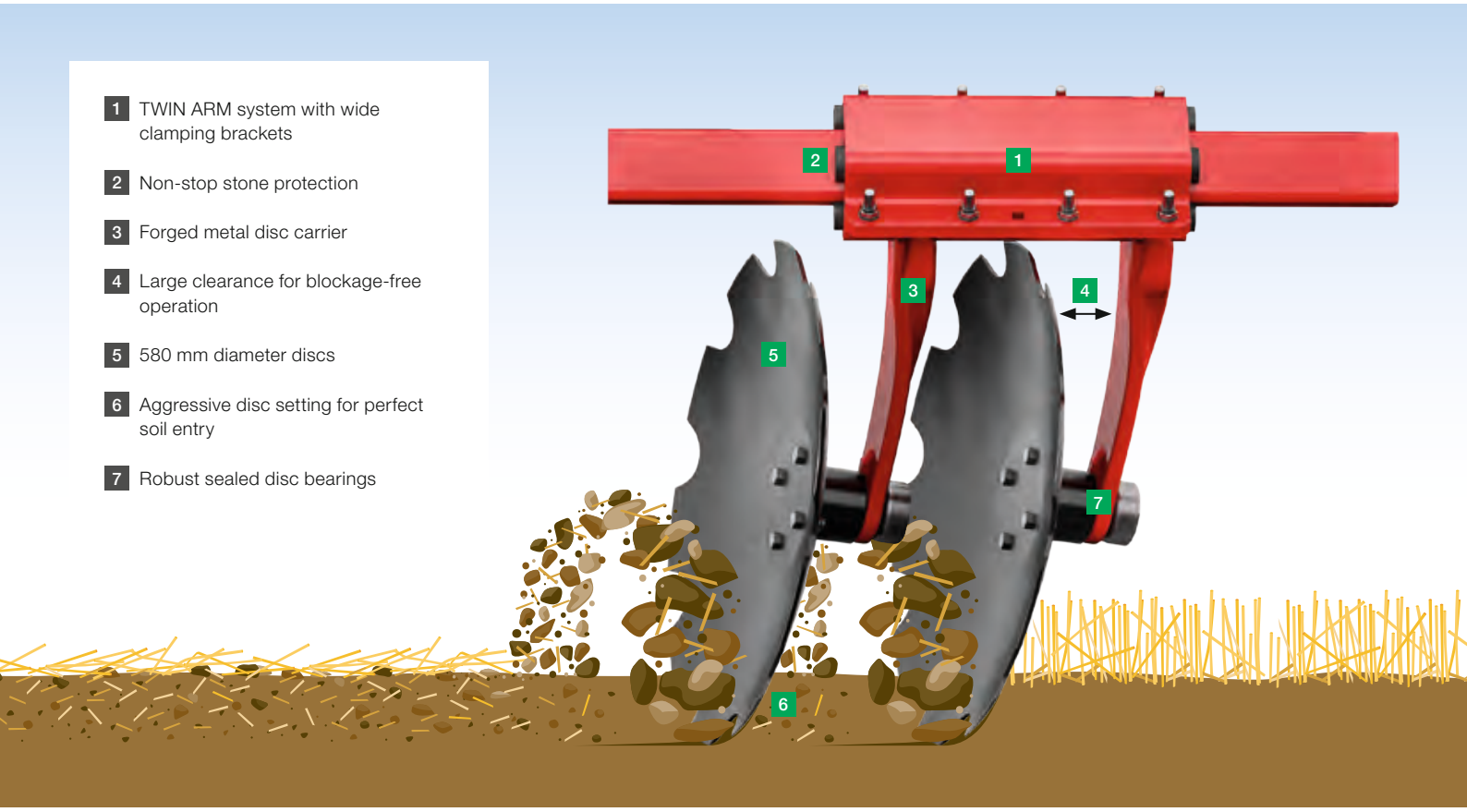
Robust and durable

High driving speeds of up to 18 kph and working depths down to 12 cm mean the disc bearings have to withstand considerable stress. Maximum reliability is essential for cost-effective and efficient operation.

That is why PÖTTINGER uses high-quality, robust materials to ensure operation in all conditions and a long service life. This reduces maintenance work, repairs, and running costs as a result.

Reliable tillage

Tillage tools



TWIN ARM

A very wide clamping bracket and two solid, forged carrier arms is what makes PÖTTINGER's proven TWIN ARM system so reliable. Because clamping brackets have a 380-mm wide area of contact with the frame, the discs always maintain their position and setting. Even in heavy, dry, compacted soil the discs cannot deviate to the side and hard wheel marks are broken up reliably meaning a uniform working depth is achieved.

Non-stop stone protection

The 40 mm thick elastic rubber elements provide proven, maintenance-free, non-stop stone protection for many years. The rubber elements are positioned between the clamping brackets and the box section frame. They exert sufficient pressure on the discs to ensure reliable soil entry. The large deflection arc of 30° enables the discs to smoothly ride up over large stones or obstacles.

Generous inter-disc clearance

There is plenty of space between the clamping bracket, disc arm and disc to ensure blockage-free operation even with high volumes of organic matter and deep working depths. The gap between the carrier arm and the disc opens up in the direction of rotation to effectively avoid the snagging of stones or harvest residues.

What is more, on the TWIN ARM system the disc bearings are mounted on the outside of the disc and are therefore protected from the working area of the disc. This configuration actively prevents dirt ingress to the bearings and harvest residues from wrapping around them.

Aggressive disc angle

The effect of an aggressive angle combined with a moderate inclination of the discs ensures reliable soil entry and powerful mixing. In the front row, the discs are at an angle of 17° in relation to the direction of travel, while in the back row, the discs are angled at 15° in the opposite direction. In both rows the discs are inclined at 7°.

Universal discs

To achieve the highest wear-resistance, the scalloped or plain concave discs are manufactured with a diameter of 580 mm and a thickness of 5 mm from special heat treated steel. The combination of disc diameter and aggressive disc angle enables full surface movement of the soil even when working at a shallow depth of 5 cm. At the same time, however, reliable mixing of the soil is enabled, also when working deeper. The eight discs per metre of working width equate to a compact spacing of just 12.5 cm.

8 Plain discs

- More consistent level finish
- Moves the whole surface at a shallow working depth

9 Scalloped discs

- Improved soil entry
- Aggressive working results
- High clump breaking intensity

Durable disc bearings

The disc bearings are designed for maintenance-free robustness and reliability. The large-dimensioned, twin-race taper bearings cope with high stress and absorb shock loads perfectly.

Maximum convenience and durability are ensured by the permanently greased, sealed design. Labyrinth seals prevent the ingress of dirt and moisture. The nuts on the disc bearings are protected by caps screwed onto the same stub shaft.

Reliable tillage

Ground tracking

1

- Two frame sections
- Each section can adapt from -3° to +6°
- Ground pressure is hydraulically adjustable

2

- Four frame sections
- Each inside section can adapt from -3° to +6°
- Each outside section can adapt from -4.5° to +4.5°
- Ground pressure of each pair of frames is hydraulically adjustable

Optimum ground tracking

For optimum ground tracking, the disc frames are divided into two or four sections, depending on the model. Because they are free to move both downwards and upwards, maximum adaptability is achieved to maintain a consistent working depth constant across the full width of the machine.

1 TERRADISC 8001 T, TERRADISC 10001 T: two frame sections

The trailed disc harrows with working widths of 8 m and 10 m consist of two frame sections. Each frame section can adapt to the ground individually to achieve a consistent working depth. A freedom of movement of -3° downwards and up to +6° upwards is possible.

2 TERRADISC HT 12000: four frame sections

Configured in four sections, the discs ensure that the TERRADISC HT 12000 tracks the contours with precision. Each of the frame sections follows the ground contours independently, and the inside sections have a freedom of movement between -3° and +6°. Independently of the inside sections, the outside frame sections are free to move between -4.5° and +4.5°. This means that the TERRADISC can reliably track undulations even in challenging terrain.

Consistent pressure applied to the ground

The freedom of movement of the frame sections, together with the hydraulic pre-tension on each section, ensures a consistent pressure is applied to the ground. The pre-tension on the TERRADISC HT 12000 can be individually adjusted in pairs on the inside and outside frame sections to accommodate varying operating conditions. Together with depth control using the jockey wheels and chassis wheels, this enables a uniform working depth across the full working width.

Reliable tillage

Depth control and depth settings

Precise depth control

The ground needs to be tracked with precision to ensure optimum depth control, so that the TERRADISC can maintain a consistent working depth. The TERRADISC does this using jockey wheels mounted in front of the discs, the chassis wheels, and the wide support surface of the rear roller.

1 Chassis for central depth control
2 Dual jockey wheels on the frame sections
3 Wide ground tracking using the rear roller

The working depth is adjusted hydraulically. This enables the depth to be set with precision between 5 cm and 15 cm to optimally fulfil the different requirements of each processing step.

Large jockey wheels

Together with the chassis, the leading jockey wheels help maintain a consistent working depth by tracking undulations in the ground in front of the TERRADISC. These dual jockey wheels are fitted with 340/55-16 tyres to provide a sufficient area of contact for ground tracking. The jockey wheels are fitted as standard starting from a working width of 10 metres.

Working depth adjustment

On the standard version, the depth is set using the hydraulic cylinders with swing clips. This ensures simple and reliable adjustment of the working depth. By rotating the clips in or out on the cylinders of the jockey wheels and the rear rollers, the working depth can be finely adjusted in 9 mm steps between 5 cm and 15 cm.

Using the Profiline comfort control system, which is available as an option, infinitely-variable working depth can be conveniently controlled from the cab using ISOBUS.

Because the rear rollers are in a straight line, all frame sections can be set in the same way.

Transport chassis

The transport chassis is the first stage of ground tracking, guiding the central height of the TERRADISC. In addition to the single axle, the TERRADISC HT 12000 is also available with a tandem floating axle, which can compensate for small bumps in the ground more precisely.

Rear roller damping system

The TERRADISC rear rollers are equipped with damping cylinders to ensure smooth running and prevent the TERRADISC from jolting. The damping system reduces vibrations and jolts caused by bumps so that the TERRADISC runs smoothly over the soil without bouncing, making it easier to maintain a consistent working depth. The damping cylinders can be controlled hydraulically to match the soil conditions.

Reliable tillage

Additional equipment

Front board breaks up clumps

The optional front board on the TERRADISC T levels the soil in front of the discs and promotes a crumbling effect, especially on ploughed fields. Even coarse clumps are broken down thanks to the sturdy drag tines. Adjustable and replaceable wear plates are fitted to the tines. Reliable clearance is provided for higher volumes of harvest residues. The front board is adjusted hydraulically. If the front board is not required, it can be folded away completely out of the working area so that it does not contact the soil.

Wheel mark loosening discs

The discs on the TWIN ARM above the tractor wheel mark can be height-adjusted by up to 5 cm. The deeper setting ensures full-surface movement and a flat finish across the whole working width. This means that it is not necessary to lower the entire machine to reliably eradicate the wheel marks. The pulling power requirement and fuel consumption are reduced as a consequence.

Edging board and edging discs

For seamless adjacent passes, the outside disc pairs and the edging boards have several adjustable positions as standard. Due to the optimised configuration of the edging board, the soil is reliably kept within the machine width. This ensures a neat connection between adjacent passes and level working results.

Levelling harrow

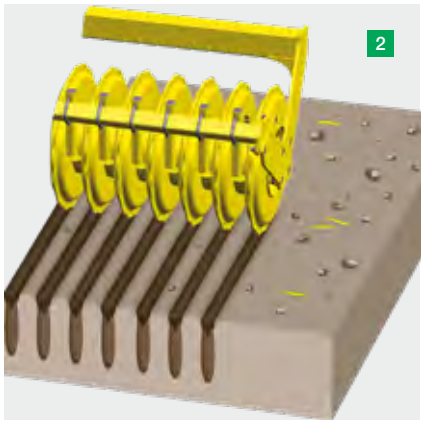
The optional levelling harrow, which is made of spring steel tines and mounted between the disc section and the rear roller, guides the flow of soil under the rear roller. In addition, the soil-straw mixture exiting the discs is crumbled and levelled. The height of the levelling tines, which are 14 mm thick and feature tangential geometry, is adjusted automatically when the position of the rear roller is changed. The main height and angle settings are preset using a lock pin.

Reliable tillage

Rear roller

1 Cage roller

The cage roller is ideal for dealing with dry, non-sticky soils. The strong bars consolidate the soil across the direction of travel, making sure that the roller keeps rotating, while creating a high proportion of fine soil. With a diameter of 660 mm, the cage roller is equipped with twelve horizontal bars.

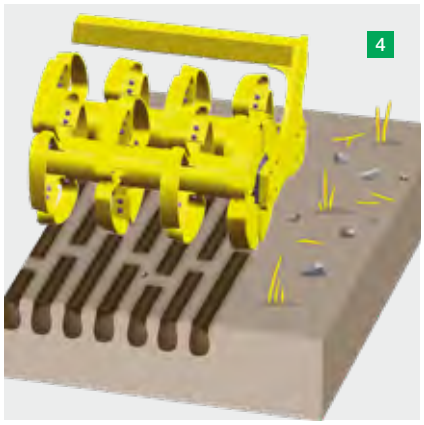


2 Pack ring roller

The pack ring roller consists of eight pack rings with solid rims per metre of working width. The roller produces consolidated ridges to promote drainage and let the soil breathe. The roller achieves solid working results even on stony or damp soil with high volumes of organic material. In dry conditions, the deep consolidation has a positive effect on seed germination conditions. The coated scrapers mounted between the rings ensure the roller keeps rotating even on sticky soil.

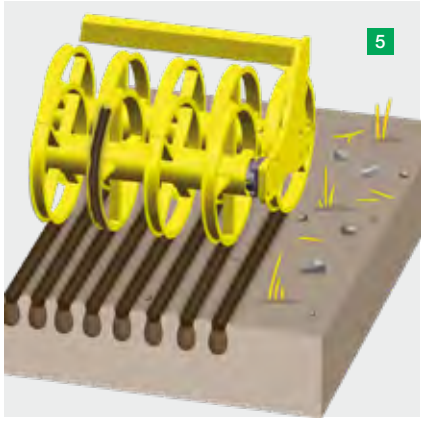
3 Rubber packer roller

The rubber packer roller is a versatile implement that is able to handle a wide assortment of highly variable soils. The profile of the roller produces consolidated ridges and has a large area of contact with the soil. The roller has a diameter of 590 mm and offers a high load-bearing capacity. The scrapers are coated and ensure neat and tidy operation.



4 Tandem CONOROLL roller

Like the single CONOROLL roller, each ring on the tandem CONOROLL roller consists of four segments, two angled to the left and two angled to the right. Each segment creates an indentation in which rainwater can seep into the soil before it runs off the surface. Both rollers have a diameter of 560 mm. With a ring width of 70 mm, the tandem roller configuration offers an impressive load-bearing capacity, especially on lighter soils, and has good self-cleaning properties. The freedom of movement and the angle of the rear roller can be adjusted to match the operating conditions for optimum ground tracking.



5 Tandem U profile roller

The U profiles on each ring with a diameter of 600 mm fill with soil during operation. This results in direct earth-to-earth contact, ensuring well-formed consolidated ridges, while conserving the soil structure. In addition, it achieves good self-propulsion and the adhering layer of soil reduces wear. The tandem rear roller configuration creates a high load capacity, making this tandem U profile roller equally suitable for fields with light soil types. The angle of the rear roller can be adjusted to match different operating conditions.

6 Adjustable roller inclination

The inclination of the tandem rear roller can be changed using the adjustable mountings. This makes it possible to react to different conditions in the field by preventing light soil from being bulldozed and improving the rotation of the roller, for example.

	Cage roller	**Pack ring roller**	**Rubber packer roller**	**Tandem CONOROLL roller**	**Tandem U profile roller**
Consolidation	o	++	++	++	++
Damp conditions	o	++	+	+	+
Dry conditions	++	++	++	++	++
Crumbling effect	+	++	++	++	+
Load capacity	+	++	++	++	++
Self-propulsion	++	++	+	++	+
Applicability for stones	+	++	o	++	o
Scrapers	No	yes	yes	no	No
diameter	660 mm	550 mm	590 mm	560 mm	600 mm

++ ideally suited, + well suited, o suitable, – not suitable

Convenience and efficiency

Convenient to adjust efficiently

Varied soil conditions and differing tillage objectives mean that the TERRADISC needs to be set up specifically to achieve optimum results. This means that simple yet convenient machine adjustments are decisive in ensuring the right machine settings for effective and efficient work. This minimises the time required to adapt setting parameters when time frames are already tight. That is why machine operation is hydraulic as standard.

The Profiline comfort control system is available as an option to elevate operating convenience to an even higher level, offering the capability of site-specific regulation of the working depth. This brings about direct advantages ranging from fuel savings and reduced wear to increased productivity. Thanks to georeferenced cultivation, the best growing conditions can be created for the next crop.

Side pull free at a consistent working depth

Because the front row of discs processes unloosened soil, they are subject to higher wear than the discs in the back row. Wear reduces the disc diameter and therefore the working depth. To counteract possible side pull and uneven working depth, the working depth of the first row of discs can be adjusted to compensate for disc wear using the central drawbar cylinder. Adjustments can be made while driving in order to react to varying soil conditions.

As a result, the trailed TERRADISC compact disc harrows ensure the machine runs straight without pulling to one side. Ultimately, this makes it possible to operate without overlaps and harness the full working width of the machine.

Turns on rear roller

At the headland, the trailed disc harrows are lifted and supported by the rear roller. This means that the transport chassis is not required for the turning manoeuvre and is only subjected to low loads. This saves precious time during turning and conserves the soil because the weight of the machine is distributed across the whole width of the machine by the rear roller. In addition, the large area of contact enables smooth turning without jolting, even at higher driving speeds. For tight turning manoeuvres, the drawbar allows a steering angle of up to 85°.

Smooth running chassis

The proven design of the chassis runs smoothly to ensure confident handling during transport on the road, and in the field. This design also features compact outer dimensions in the transport position and a well-located centre of gravity with plenty of ground clearance and optimum weight transfer to the tractor.

The chassis is available either as a single axle or as a tandem floating axle, depending on the model. Air brakes or hydraulic brakes are available on certain models for enhanced safety on the road.

Convenience and efficiency

Control concepts

1

2

Standard operation

The operation of the machine is hydraulic as standard. Key functions and settings such as folding, working depth adjustment, lifting at the headland position and ground pressure settings are controlled by three or four double-acting spool valves, depending on the machine model. Each spool valve performs several functions. The preselects are clearly labelled on the intuitively laid out hose tower.

1 TERRADISC 8001 T, TERRADISC 10001 T

One double-acting spool valve each for:

- Folding
- Headland position, jockey wheels, and transport interlock
- Parking stand, chassis, and adjusting side pull and ground pressure

2 TERRADISC HT 12000

One double-acting spool valve each for:

- Folding
- Headland position and transport interlock
- Adjusting side pull, rear roller damping, and ground pressure
- Adapting jockey wheels, parking stand, and chassis

Profiline comfort control system

With the TERRADISC 8001 T and TERRADISC 10001 T, you can benefit from maximum operating convenience using ISOBUS with the optional Profiline comfort control system. All functions are controlled electro-hydraulically using a load-sensing hydraulic system or power beyond system, and a central hydraulic block.

The machine is operated by pressing a button on the control terminal or automatically by the task controller using section control and variable rate control. All cylinders are equipped with position sensors, allowing the terminal to display a visualisation of the main machine parameters, such as working depth and the pressure applied to the disc sections, for optimum ground tracking.

The EXPERT 75 and a choice of other ISOBUS control terminals are available. Thanks to ISOBUS, a TERRADISC with Profiline comfort control system can be connected to an agrirouter for data exchange.

Variable rate control and section control

The Profiline comfort control system provides the technical requirements for automatic, site-specific control of the working depth and lifting the machine using section control. This feature enables the TERRADISC 8001 T and TERRADISC 10001 T to achieve a geo-referenced working depth. As a result, it is possible to react automatically to different conditions and soil properties within each field. The basis for this function is provided by yield data and application maps. This brings about numerous advantages:

- Saves fuel
- Reduces wear
- Increases productivity
- Avoids unnecessary water loss by optimising working depth
- Provides optimum conditions for the next crop

At the headland, lifting and lowering can be automated using section control to avoid overlaps and increase convenience.

Convenience and efficiency

Distribution system

Distribution system for the TERRADISC

For high output application during stubble cultivation or seedbed preparation, the trailed models with working widths of 8 and 10 metres can be equipped with a distribution system for a front hopper such as the AMICO F. Tillage can now be carried out at the same time as depositing seed or fertiliser in the soil in a single pass.

By feeding fertiliser into the raised flow of soil, it is incorporated and covered straight away. The fertiliser does not lose any of its effectiveness and is immediately available for the plants. This process is suitable for seedbed preparation in spring or for replenishing nutrients with granular trace elements in autumn.

Seed material is directly stimulated to germinate because it is covered with soil and consolidated by the rear roller. The capillary action necessary for successful seed emergence starts straight away.

Ingenious distribution system

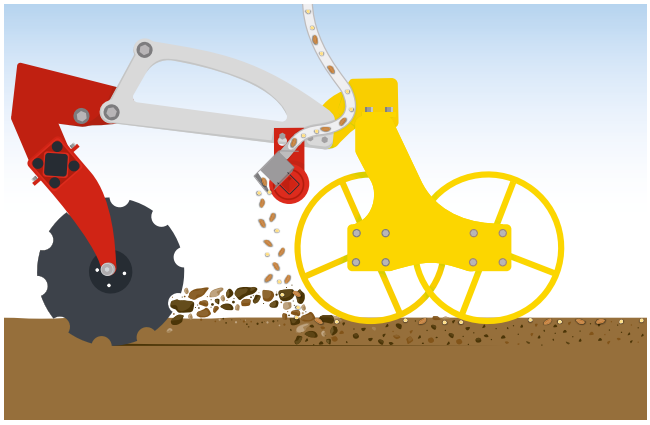
The supply line is designed to be telescopic and is routed centrally along the main frame. The large cross-section of 150 mm allows high volumes to be transported at high working speeds.

The distribution head is located in the centre between the discs and the rear roller. In the transport position, the distributor head folds forward to form a compact unit. When the distribution head folds out, the hoses to the distribution rail straighten out so that there are no jams. As a result the material is transported without obstruction, ensuring a constant flow.

Application and distribution are carried out by 18 baffle plates close to the ground. This makes full surface application possible regardless of the wind conditions. The distributor rail is positioned in front of the rear roller.

Wide range of applications

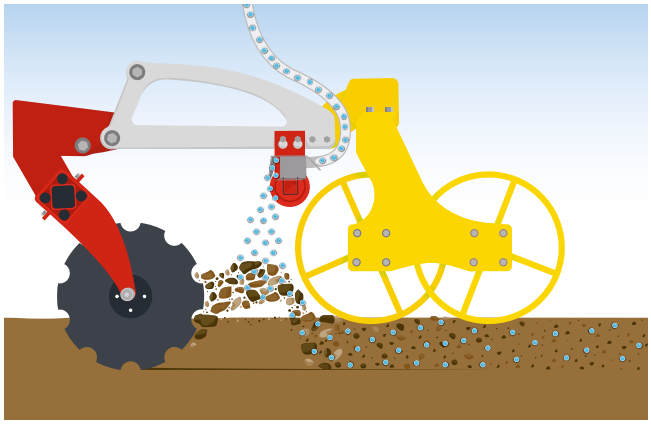
The angle of a flexibly adjustable distribution rail with distribution plates determines the depth at which material is deposited, so that a variety of different applications can be covered. Depending on the application, the rail can be set at a shallower or steeper angle in relation to the ground surface to cover the spreading medium with more or less soil.



Top placement

Setting the distribution rail with the outlet diagonal to the ground feeds the seed and/or fertiliser into the flow of soil. As a result, the material joins the flow of soil to be deposited on or near the surface.

This method is suitable for sowing green manure or cover crop mixtures.



Mixed placement

By setting the distribution rail directly perpendicular to the ground, the material is immediately mixed into the flow of soil below so that it is deposited across the full cultivation depth. The fertiliser and seed are therefore distributed throughout the entire cross section of soil movement.

During stubble cultivation, for example, compensatory fertilisation of potash or nitrogen can be used to accelerate the decomposition of straw. Starter fertiliser can also be applied during seedbed preparation.

Trailed compact disc harrow: 8 m – 10 m

Trailed compact disc harrows: 8 m – 10 m

TERRADISC 8001 T, TERRADISC 10001 T

1

2

Disc harrows for high performance

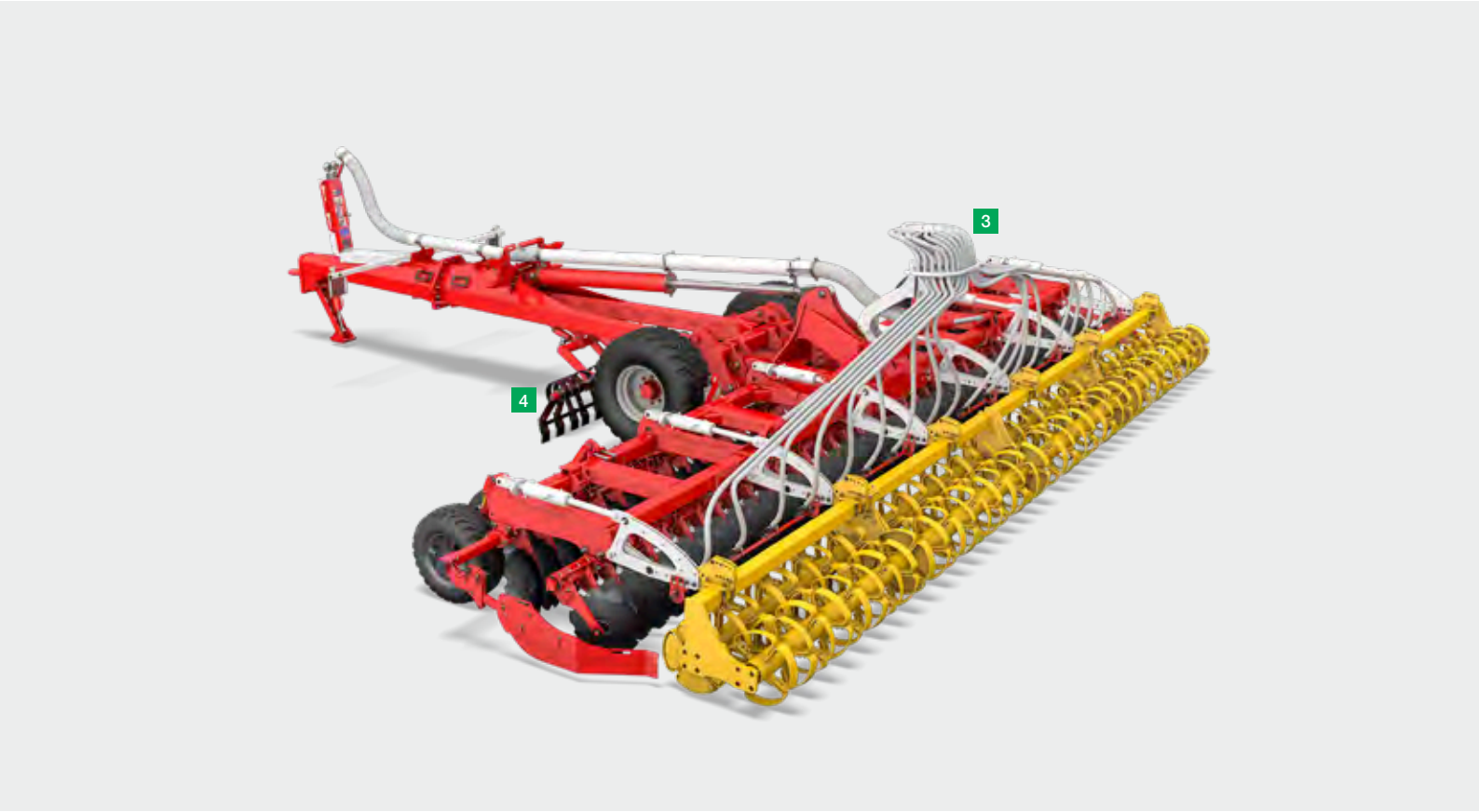
The TERRADISC 8001 T and TERRADISC 10001 T disc harrows feature an impressively compact design and large working widths of 8 m and 10 m for tractors with up to 400 hp and 500 hp. The tillage tools familiar from the TERRADISC series ensure reliable soil entry and optimum incorporation as well as a long service life thanks to the robust disc bearings.

1 TERRADISC 8001 T
2 TERRADISC 10001 T

Versatile applications and the best work results

3 The TERRADISC T is available with a distribution system as an option for front hoppers such as the AMICO F for depositing seed material, fertiliser and even two different components at the same time. This means that tillage can be combined with spreading fertiliser and planting a cover crop on the same pass. This not only increases the efficiency of each process, but also the efficiency of the fertiliser. Incorporating the fertiliser into the soil and covering it immediately minimises any loss of effectiveness.

4 A front board is available for use during seedbed preparation. This is fitted with drag tines that crush large clumps ahead of the discs and level the soil surface.



Unparalleled operating convenience

The TERRADISC T is operated hydraulically as standard using three double-acting spool valves.

The Profiline comfort control system is offered as an option to take operating convenience to a new level. All the disc harrow functions can be controlled at the touch of a button using the ISOBUS-compatible control terminal, which displays all the key machine parameters.

This option also provides the basis for fully automatic, site-specific control of the working depth using application maps. This makes it possible to react precisely to the different conditions within each field.

Axle options

The TERRADISC 8001 T and TERRADISC 10001 T disc harrows are equipped as standard with a single axle with an outside width of 3 m. This is available without brakes, or with a choice of air brakes or hydraulic brakes. A single axle with a width of 3.5 m is also available as an option. All of these are fitted with 560/45 R22.5 tyres.

Trailed compact disc harrow: 12.5 m

Trailed compact disc harrows: 12.5 m

TERRADISC HT 12000

1

Disc harrow for maximum output

The TERRADISC HT 12000 sees PÖTTINGER offer a disc harrow for high-output tillage on demand, utilising tractors up to 720 horsepower. With an effective working width of 12.5 metres, this proven disc harrow cultivates the soil to satisfy the highest expectations. The working width is also ideal for controlled traffic farming.

1 TERRADISC HT 12000

Unprecedented ground tracking

Configured in four sections, the discs ensure that the TERRADISC HT 12000 tracks the contours with precision. Each of the frame sections follows the ground contours independently, and the inside sections have a freedom of movement between -3.0° and +6.0°. Independently of the inside sections, the outside frame sections are free to move between -4.5° and +4.5°. This means that the TERRADISC can reliably track undulations even in challenging terrain.

Maximum strength

2 For maximum strength, the chassis and the drawbar are manufactured as a single unit, allowing pulling power to be transferred efficiently to the chassis frame.

3 The TERRADISC HT 12000 has additional telescopic struts between the frame and the folding sections to optimise the forces transferred. This makes sure that the forces are distributed evenly, alleviating stress on the central frame.

Choice of chassis

The chassis on the TERRADISC HT 12000 is available either as a single axle or as a tandem floating axle.

4 The chassis with a single axle has an outside width of 3.5 m and does not have brakes. The chassis is fitted with 560/45 R22.5 tyres.

5 The tandem floating axle chassis provides a larger area of contact with the ground and better weight distribution. The axle has an outside width of 3 metres and is available with or without brakes. This chassis is fitted with 500/55-20 tyres and offers an impressively smooth ride and enhanced ground tracking.

Digital agricultural technology

Operation

Everything under control

With our optional control concept, you have perfect control over your machine, even after a long day in the field. The focus of our development work was on maximum operating convenience and automation of each working step. An intuitive control terminal is available as part of the control concept or, if you want to use your tractor terminal to operate your machines, there is also an ISOBUS cable to connect to the tractor.

Profiline comfort control system

With the Profiline comfort control system, you can control your machine directly either using your ISOBUS tractor terminal or another ISOBUS-compatible control terminal. Each function is carried out immediately by pressing a button or the touchscreen.

- Oil supply: Load sensing or power beyond system
- Job calculator: ECU 3.0 (2.5)

Possible controls

- EXPERT 75
- Tractor terminal via ISOBUS cable

EXPERT 75 ISOBUS terminal

The PÖTTINGER EXPERT 75 ISOBUS terminal offers high flexibility and enables professional operation of all ISOBUS-compatible machines, regardless of brand.

The terminal has been upgraded in terms of ergonomics and intuitiveness and offers a multitude of advantages.

- High quality 5.6" TFT colour touchscreen
- Rugged, stylish synthetic casing
- Convenient single-hand operation, grip bar for secure hold
- Double-row arrangement of command keys on the right
- Straightforward and intuitive user interface
- Edit using keys and touch-screen
- Scroll wheel with confirmation function for direct input and adjustment of set points
- Compact size – does not obstruct field of vision
- Ambient light sensor and back-lit function keys

Digital agricultural technology

Data management with PÖTTINGER CONNECT

Wireless data transmission

PÖTTINGER CONNECT is the cost effective access point into the world of networked data. The telemetry unit in combination with the Profiline comfort control system on the TERRASDISC makes it possible to control machine functions while collecting agronomic data and transmitting it to a farm management system that can use the data to increase output and cost effectiveness.

PÖTTINGER CONNECT is a tool designed for site-specific farm management that offers you simple and cost-effective precision farming applications. On the TERRADISC, this makes site-specific regulation of the working depth possible.

Easy installation and a certified data interface allow rapid use of the telemetry unit and flexible connection to various management systems.

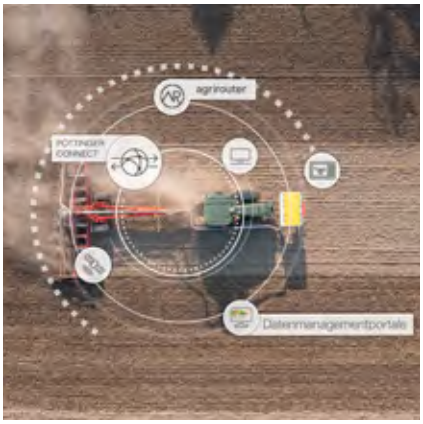
Modular configuration

The telemetry unit offers the right solution for every farm thanks to its modular design. Using identical hardware, different packages are unlocked by different license agreements:

- CONNECT – COMMAND: This module controls the functions of the machine by actively sending commands to the implement, such as automatic lifting at the headland. The package includes activations for Section Control (TC-SC), Variable Rate Control (TC-GEO) and GeoSuite.
- CONNECT – MANAGEMENT: This module is used for data recording, transmission and documentation. It is also possible to display parameters such as the working depth on a site-specific basis. The package includes activations for TC-BAS, TC-GEO and a connection to agrirouter.
- CONNECT – COMPLETE: This package includes all the functions and activations in the COMMAND and MANAGEMENT modules.

GPS signal

A GPS signal is required for TC-GEO and TC-SC. If fitted, the antenna on the tractor can be used for this purpose. An external GPS antenna, which is mounted directly on the machine, is available as an option.



All in one – tidy control system layout

Both the telemetry unit and the respective farm implement are operated using ISOBUS-capable terminals or alternatively using the tractor terminal.

For this purpose PÖTTINGER offers its intelligent terminals POWER CONTROL, EXPERT 75 and CCI 1200 as options suitable for every application. This provides a better overview in the tractor cabin by using just one terminal.

GeoSuite app

In combination with the GeoSuite app, PÖTTINGER CONNECT – COMMAND and COMPLETE can display the coverage map. The application can be accessed by any tablet or smartphone using the web browser. The connection to the machine is easily made using the wireless network.

Among other things, the app can be used to create field boundaries and activate automatic mode for Section Control. In this mode, the machine is controlled depending on the GPS position.

Certified interface

PÖTTINGER CONNECT – MANAGEMENT and COMPLETE include a certified data interface to agrirouter.

For worldwide implementation, any farm management information system can be used.

Digital agricultural technology

Data management using agrirouter

Manufacturer-independent, wireless data exchange

The agrirouter was developed by DKE-Data GmbH & Co. KG, working together closely with leading agricultural machinery manufacturers like PÖTTINGER. The objective was to create a platform for exchanging data between machines and farm management software. Agrirouter is the result. Agrirouter is a web-based, manufacturer-independent data platform that enables the exchange of data between machines, farm software and digital apps provided by different manufacturers.

The advantages of the agrirouter

Using the agrirouter offers many advantages for farm businesses. These include manufacturer-independent data exchange, greater efficiency in farm management, process optimisation, and easy-to-use digital documentation.

Data security and transparency

agrirouter displays data to support decision making. Farmers and contractors can choose which data is forwarded to each application.

We are ready for agrirouter

PÖTTINGER provides the capability of transmitting ISOBUS-compliant machine data to the agrirouter.

In addition to seed drills such as VITASEM, AEROSEM and TERRASEM, the machines covered also include rotor loader wagons, round balers, rakes and mowers. Compatible machines are always recognisable by the “ready for agrirouter” sticker.

PÖTTINGER customers can use the agrirouter to send job data from field indexing software or application maps, directly to their CCI 1200 terminal or to PÖTTINGER CONNECT, and save and display data relating to silage bales, for example, on their farm management system.

This QR code takes you directly to the applications.

Compatible products

AMICO

Greatest operational flexibility

The AMICO F hopper in combination with various arable machines offers the possibility to apply fertiliser or micro-granules, cover crops or two components, at the same time. The hopper is available with one or two metering units. Capacities of 1700 and 2400 litres and a division of 60:40 guarantee a wide range of applications.

Transport large volumes a long way

In order to be able to achieve long conveying distances and provide maximum reliability, the AMICO F features a pressurised hopper system. This enables consistently high volumes of material to be transported. Combinations of various different sizes of material can be distributed to cover a wide range of applications.

Precision application

The electric metering units can be precisely controlled for site-specific application using the intelligent control system and application maps. Fertiliser can therefore be deposited in precise quantities and applied as required to achieve the yield potential. Your plants benefit from the increased efficiency of the fertiliser, while you save precious operating resources and increase your profit margin.

Application examples:

- Applying different types of cover crop
- Depositing microgranules with the seed
- Distributing fertiliser to compensate for nutrient depletion
- Banding fertiliser deposits

Convenient operation

The AMICO F hopper is equipped with ISOBUS as standard to ensure convenient operation. This means that front hopper can be controlled using our EXPERT 75 and CCI 1200 terminals, or using any ISOBUS compatible tractor terminal. This level of intuitive operation makes your work much easier.

Convenient filling and emptying

A loading platform makes it easier to access the hopper and, as an option, additional steps can be folded out on either side of the larger capacity AMICO F hopper. This makes filling easier.

A large pressure-tight fitting is provided for emptying residual material.

Calibration made simple

The metering units are easily accessible from the front, so the metering wheels can be changed quickly, and there is a shut-off plate to make it even easier when the hopper is full.

The calibration button mounted on the hopper frame allows the calibration test to be carried out conveniently from the ground.

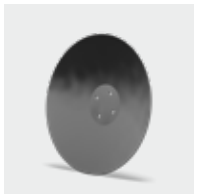
Space-saving storage

Three parking stands are provided for parking, either with or without packer. This gives the hopper a steady base so it can be stored in any corner of the machine shed to save space.

The optional packer has two additional parking stands and can be uncoupled from the front hopper and parked separately if required.

Equipment options

Concave discs scalloped



Concave discs plain

Adjustable track eradicator discs

Adjustable edging discs

TERRADISC 8001 T	■	□	□	■
TERRADISC 10001 T	■	□	□	■
TERRADISC HT 12000	■	□	□	■

Ring hitch 30 mm / 40 mm / 50 mm / 70 mm

Long drawbar

Single axle 3 m without brakes / with brakes

Single axle 3.5 m without brakes / with brakes

TERRADISC 8001 T	□ / □ / ■ / □	□	■ / □	□ / –
TERRADISC 10001 T	□ / □ / ■ / □	–	■ / □	□ / –
TERRADISC HT 12000	– / – / ■ / □	–	– / –	□ / –

Adjustable edging boards

■

■

■

Hydraulic double feeler wheels

□

■

■

Front board

□

□

–

Levelling harrow

□

□

□

Distribution system for front hopper

□

□

–

Warning sign with lighting

■

■

■

Tandem floating axle without brakes / with brakes

– / –

– / –

□ / □

Air brake system

□

□

□

Hydraulic brakes

□

□

–

Profiline comfort control system

□

□

–

PÖTTINGER CONNECT

□

□

–

EXPERT 75 control terminal

□

□

–

Configure your own machine

■ = standard, □ = optional, – = not available

Technical data

	TERRADISC 8001 T	TERRADISC 10001 T	TERRADISC HT 12000
Working width	8 m	10 m	12.5 m
Number of discs	64	80	100
Disc spacing	12.5 cm	12.5 cm	12.5 cm
Disc diameter	58 cm	58 cm	58 cm
Inter row spacing	90 cm	90 cm	90 cm
Underframe clearance	75 cm	75 cm	75 cm
Working depth	5 cm – 15 cm	5 cm – 15 cm	5 cm – 15 cm
Jockey wheel tyres	340/55-16	340/55-16	340/55-16
Single axle chassis tyres	560/45 R22.5	560/45 R22.5	560/45 R22.5
Tandem floating axle chassis tyres	–	–	500/55-20
Ring hitch diameter	30 mm / 40 mm / 50 mm / 70 mm	30 mm / 40 mm / 50 mm / 70 mm	50 mm / 70 mm
Transport width with single axle	3 m / 3.5 m	3 m / 3.5 m	3.5 m
Transport width with tandem floating axle	–	–	3 m
Transport height	4 m	4 m	4 m
Transport length	7.2 m	8.2 m	9.2 m
Basic weight[1] with single axle	8100 kg	10000 kg	10350 kg
Basic weight[1] with tandem floating axle	–	–	11000 kg
Weight cage roller	1300 kg	1500 kg	1700 kg
Weight pack ring roller	1780 kg	2110 kg	2350 kg
Weight rubber packer roller	1500 kg	1800 kg	2240 kg
Weight tandem CONOROLL roller	2060 kg	2450 kg	2740 kg
Weight tandem U profile roller	2020 kg	2340 kg	2740 kg
Power requirement	270 hp	350 hp	450 hp

[1] Basic machine without rear roller

MyPÖTTINGER

This QR code takes you directly to the website.

Benefit from numerous advantages

MyPÖTTINGER is our customer portal that provides you with key information about your PÖTTINGER machines.

My machines

Add your PÖTTINGER machinery to "My machines" and assign a name. You will receive valuable information such as: useful tips on your machine, operating instructions, spare parts lists, maintenance information, as well as all the technical details and documentation.

Info on the product range

MyPÖTTINGER provides you with machine-specific information for all machines from year of build 1997 onwards.

Scan the QR code on the machine's data plate with a smartphone or tablet or go to www.mypoettinger.com and enter the machine number from the comfort of your own home. You will immediately receive all the information on your machine such as the instruction manual, equipment options, brochures, photos and videos.

If you want it to last, you want the **original.**

This QR code takes you directly to the website.

PÖTTINGER
Original Parts

ORIGINAL PARTS

Regardless of whether you've got a new machine or a classic, our spare parts logistics centre stocks over 55,000 parts to give our machines an extended service life. Thanks to the many local warehouses in 13 countries and a large network of dealerships, original parts are available in over 60 countries.

Finding the right parts is easy

Our digital services are available free of charge and have largely replaced paper-based spare parts lists:

- www.mypoettinger.com provides free access to machine documentation on your smartphone and tablet.
- agroparts offers an intuitive search function to pinpoint the correct parts. This eliminates the risk of placing the wrong order.

No worries with the original

Too short, wrong hole pattern, wears out quickly? You don't get these problems with an original part.
And there are many more advantages:

- Immediate and long-term spare parts availability
- Maximum service life
- Perfect fit
- Attractive and competitive prices

PÖTTINGER

More success with PÖTTINGER

- Your reliable partner, as a family-owned company since 1871
- Specialist for arable and grassland
- Future-safe innovation for outstanding working results
- Roots in Austria – at home throughout the world

For the best soil movement

- Perfect soil entry and best mixing effect with aggressive disc setting
- Maximum strength and no lateral deflection of the discs thanks to two solid carrier arms on one clamping bracket – TWIN ARM
- Ideal contour guidance thanks to two or four adaptable frame sections, jockey wheels and chassis
- Hydraulic operation and Profiline comfort control system for the highest level of operating convenience

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