

PRESS RELEASE

New Kverneland Qualidisc T High Performance Trailed Disc Harrow for Future Farming

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Kverneland Qualidisc 21123 T

Kverneland extends its range of compact disc harrows with a trailed high performance model in 12.25m working width. For perfect cultivation over the entire width, regardless of depth, it requires excellent penetration, cutting, levelling and consolidation only as intensive as needed. This is guaranteed with the new trailed version Kverneland Qualidisc T.

The Performance as priority

“With the focus on sustainable and precision farming, we have developed a new trailed compact disc harrow Kverneland Qualidisc T, with a working width of 12.25m, which will perfectly fit to Controlled Traffic Farming,” says Maxime Georges, Product Manager.

One main challenge for implements with larger working widths in soil cultivation is to keep a constant ground following over the complete working width, especially in case of shallower working conditions. Therefore, Kverneland arranged the new Qualidisc T model into four independently mounted frame segments. The result is an exceptional ground following performance, similar to smaller rigid machines.

The pressure of these segments can be adjusted pair by pair with the Ground Contour System to achieve constant pressure on each segment. Compared to a system with

accumulators, there are no pressure deviations in the working sections when, for example, passing a ridge. The set pressure is always the pressure applied to the soil to obtain a perfectly flat, worked soil layer and surface.

“Our powerful Qualidisc T was developed to work at high speeds without compromise on working performance. Speed trials, even close to 20km/h, show that a consistent cutting quality over the entire working width was always achieved and with impressive stability thanks to the optimised spacing between gauge wheels and rear roller,” explains Maxime Georges, Product Manager.

The conical disc itself, with a diameter of 600mm, remained the same as on the Qualidisc Pro models, as it is proven successful in the market. The Kverneland disc is one of the hardest in the market. Its small-notched design allows good penetration and a perfectly flat cutting, even at shallower working depths and in dry conditions. The Qualidisc T achieves high quality working results from 2cm to 15cm soil depths. The high frame clearance ensures blockage-free cultivation even with a higher amount of residues like maize straw.

Simple setting for high comfort

Adjusting a machine must be fast and easy, especially when working conditions change. Fields can vary due to changing soil type, moisture, compaction or field traffic, etc. That is why, on the Qualidisc T 12.25m, the working depth setting is very simple. A depth pre-setting only needs to be done at two scales. One is mounted at the gauge wheel and the second at the rear roller, both directly on the left-hand side of the machine, where the driver leaves the cab. Gauge wheels and the rear roller are adjusted separately to maintain the balance between the two rows of discs. The depth adjustment is steered hydraulically from the cab. In this way, the working depth can be changed in a few seconds on the go, even if the driver is not skilled.



Kverneland Qualidisc 21123 T pre-setting of the depth at the front and rear of the machine

Connecting the Qualidisc T to the tractor is also easily done. For the hydraulics, one double-acting valve is needed for the transport wheels. Another double-acting valve, or alternatively a load sensing system, is necessary to steer the folding process, the headland lifting and the pressure adjustment for perfect ground contour following.



Kverneland Qualidisc T is folding as wallet system

Optimal soil flow

For an improved soil flow even at shallower depth, Kverneland has designed new parallelogram guided side deflectors which prevent any ridges, especially in conditions with high amounts of residues such as maize straw. They keep the material as long in the working area and ensure perfect mixing and cutting. An optional pair of star discs instead of two standard discs, one mounted on the front right and one at the rear left side improves the levelling effect in light and fluffy soils and provides additional guidance of the soil flow.

For the perfect consolidation and finish, the Qualidisc T can be combined with Actipack, Actipress and Actipress Twin rear rollers, which are already known from the Qualidisc range.

Headland-Management

Turning at the headland is easy. The implement turns on the front gauge wheels and rear roller. The four front wheels are very flexible and can be swivelled 360°, enabling close turning manoeuvres despite the large working width.



Kverneland Qualidisc T headland turn on gauge wheels and rear roller

Safe on the road

The Qualidisc T with pneumatic brakes is homologated for up to 40km/h in Europe. For road transport, the Qualidisc T segments fold to 3m width and 4m height in a wallet system in just a few seconds. The total weight with the Actipress Twin is around 15t. A visible road light kit, as standard, ensures safe transport.

First machines will be in field in 2024 as limited edition. The full series sales of the machine is planned for the end of 2025.

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