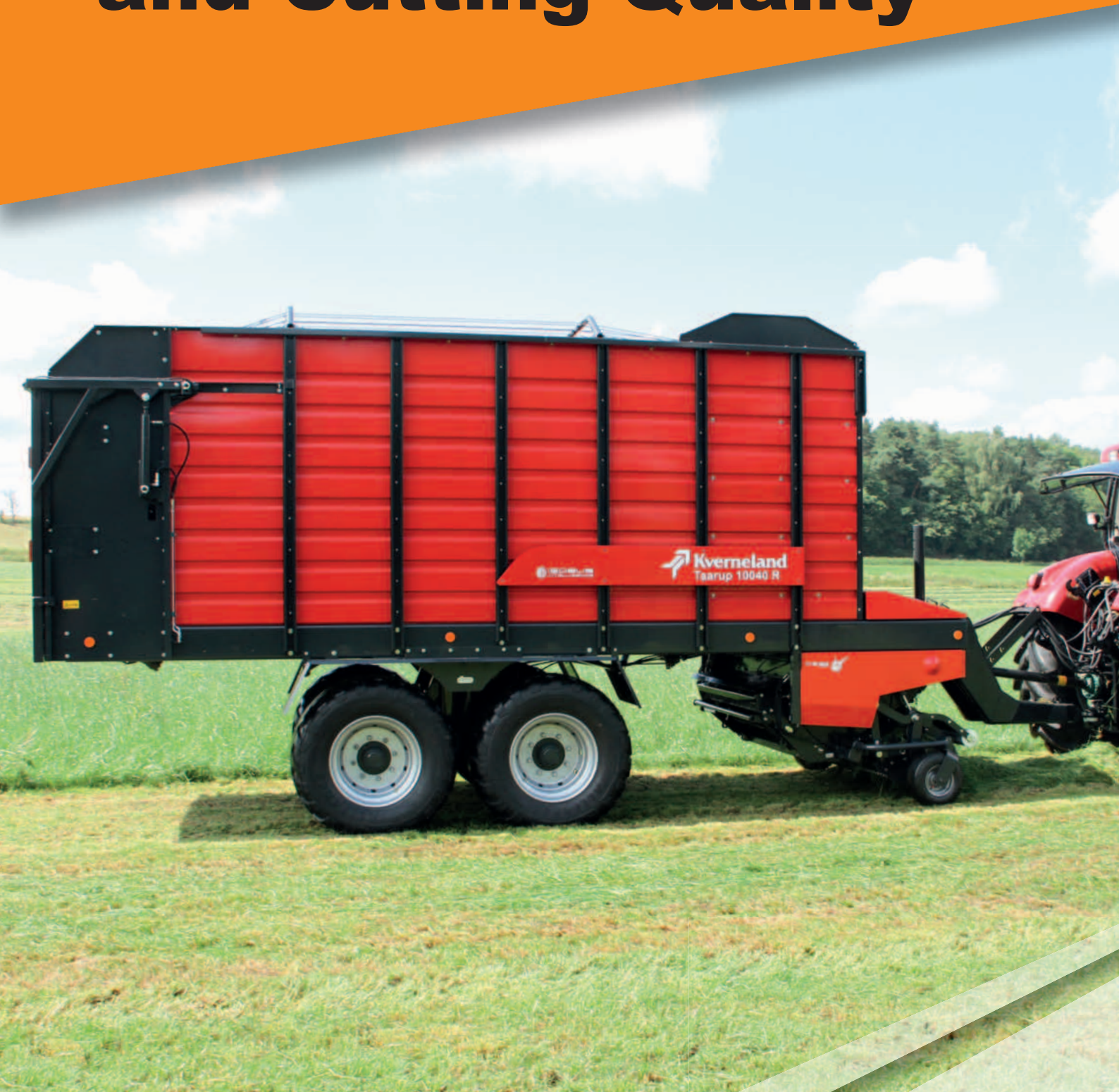
Rotor Loader Wagon
10040 R-10045 R-10055 R

Kverneland
Taarup

Maximum Capacity and Cutting Quality



Kverneland Taarup 10055 RD - 10055 R

- Load Capacity to DIN 11741: 32,4 m³- 35,6 m³
- Load Capacity, medium compression: 51m³/56m³
- Maximum Weight: 20,000kg
- Maximum Payload: 12,700kg

Kverneland Taarup 10045 RD - 10045 R

- Load Capacity to DIN 11741: 26.1/29.4m³ / 29.3/32.6m³
- Load Capacity, medium compression: 41/46m³ / 46/51m³
- Maximum Weight: 17,000kg
- Maximum Payload: 10,300kg

Kverneland Taarup 10040 R

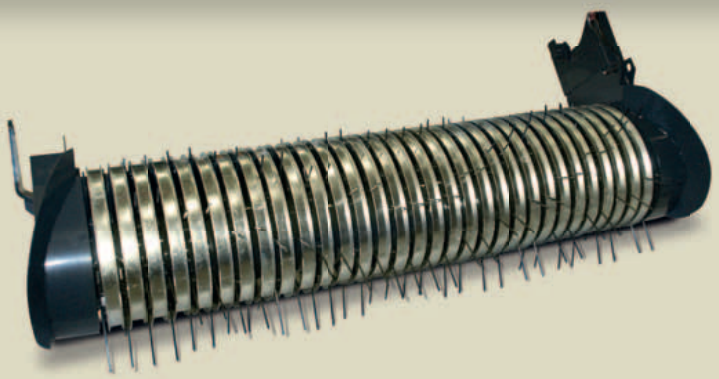
- Load Capacity to DIN 11741: 23.1/26.1/29.2m³
- Load Capacity, medium compression: 36/41/46m³
- Maximum Weight: 14,000kg
- Maximum Payload: 8,050kg

Loaded, to Lift Up Your Profit!

Powerful Pick-Up for Maximum Capacity

The Advantages

- 2,10/2,00m pick-up.
- 1.95/1.83m pick-up working width (DIN 11220).
- Six tine bars, each fitted with 16/15 teeth (total of 96/90) and with 55mm tine spacing.
- Pick-up tines arranged in a V-shape pattern for fast and efficient crop transport.
- Roller crop press for even flow of material into the chamber.
- Pivoting pick-up guide wheels.
- Pick-up without cam track for low wear and smooth operation.



Uncontrolled Pick-Up Steering

Smooth Operation with Low Wear
The pick-up unit is a key feature on the Kverneland Taarup models and without cam tracks, this intake system is virtually a maintenance-free design. The uncontrolled pick-up unit gives less wear compared to a pick-up with cam track steering. Thanks to uncontrolled tines there are no moving parts and no parts that need greasing. The result is smoother operation with less power requirements, low noise level and a maintenance-free system.

V-Shaped Tine Arrangement
The 1.95m (1.83m) wide pick-up with galvanised scrapers offers high performance with fast and efficient crop transport. Six tine bars with a tine spacing of 55mm give high performance while encouraging fast and efficient crop flow into the chamber. With a total of 96/90 pick-up tines arranged in a special V-shaped pattern every haulm even from the largest swaths is raked up.

The TwinMax intake system uses staggered tines on the pick-up, operating with a roller crop press, to deliver a uniform flow of material across the full width of the chopping rotor. This ensures a consistent, even flow without load peaks.

The swivelling pick-up guide wheels are equipped with generous floatation tyres. This ensures accurate, close raking performance and guidance of the pick-up.

The roller crop press pre-compresses the crop and helps to even out the flow of material. It provides a uniform flow of crop into the wagon, reducing the risk of blockages and allowing increased intake speed.

V-Max Rotor for Excellent Throughput

Precise and Clean Cut

The Kverneland Taarup pre-chopping system with 35 knives offers the ultimate solution for short chop with a chop length of 40mm. The 35 knives, positioned in a single row, work efficiently in combination with 20mm wide tines to ensure gentle and accurate cutting performance.

Each individual knife is spring protected against foreign obstacles. If an obstacle hits the knife, it will pivot backwards without loosing cutting quality. The knife will immediately return to working position once the obstacle has passed.

The combination of large wheels and hydraulically articulated drawbar allows generous space for inspection of rotor and knives.

The Advantages

- High capacity V-Max intake with 800mm diameter rotor.
- Special V-shaped rotor for even and fast crop transfer.
- Pre-chopping system with 35 knives.
- Theoretical chopping length of 40mm.
- Knives are easy to change without the need for tools.
- Individual spring protection of the knives.
- Maintenance-free oil-bath gearbox.

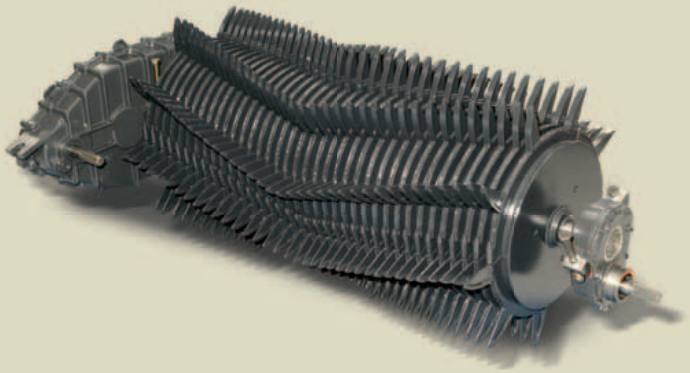
V-Max Rotor

Robust Cut-and-Feed Rotor

The Kverneland Taarup 10040, 10045 and 10055 are equipped with a high capacity intake system for maximum throughput under all conditions. The well-proven and robust cut-and-feed rotor and designed to carry the highest loads. The V-Max rotor is driven by the maintenance-free oil-immersed gearbox that ensures trouble-free operation of the large 800mm diameter rotor. The nine V-shaped rows of tine of the rotor feature 20mm wide tines that ensure a gentle and efficient flow of material into the chamber.

V-Max Rotor

The V-Max rotor offers a high capacity intake system for maximum throughput in all conditions. The special V-shape of the rotor ensures an even and fast flow of material across the entire rotor width, minimising peak loads and reducing power requirements. The V-Max rotor is utilising the full capacity of the rotor, ensuring continuous cutting performance.



The knives are quickly released and changed without the use of tools.

Each knife is spring protected against foreign obstacles. The knife will immediately return to working position once the obstacle has passed.

Each rotor ring consists of 3 bolted segments. Each segment can be replaced individually without the need to remove the complete rotor.

Loading and Unloading

SuperStructure Chamber
Kverneland Taarup 10040, 10045 and 10055 boast a frame that is made of robust C-profiled 220x100x8mm steel sections (closed on the outside) as well as strong stanchions and vertical steel sides. The vertical side plates move the material to the rear of the chamber, ensuring a full load.

Deflector Plate
Deflector plates are installed in the front loading area to prevent material building up in this area. It is designed to optimize distribution of the crop throughout the entire width and height of the chamber.

Chain-and-Slat Conveyor
The hydraulic chain-and-slat conveyor is split into two segments and features four robust chains that handle even the heaviest material. The gearbox is positioned in the middle of the two segments, ensuring equal power distribution to both sides and torque split on two shafts instead of one. It is able to smoothly move massive amounts of crop to the rear of the chamber. The scraper floor automatically disengages when the chamber is full. Loading and unloading speed is infinitely adjustable and sensors warn via the control box when the chamber is full.

Chain-and-slat conveyor with split driveline and gearbox positioned in the middle.

The Advantages

- SuperStructure chamber made from strong C-profiled steel sections.
- Chain-and-slat conveyor with split driveline and gearbox positioned in the middle.
- Conveyor with 4 robust chains designed for even the heaviest material.
- Deflector plates in the front area prevents material building up.
- Opening angle of the tailgate can be set manually to ensure even unloading.
- Kverneland Taarup 10045 RD and 10055 RD with two large diameter discharge rollers.

Fast and Efficient Unloading

Thanks to the automatic unloading function unloading is very easy. The speed of the chain-and-slat conveyor is infinitely adjustable to give an even layer of crop into the silo. Via the control terminal it is possible to choose between manually controlled or fully automatic unloading operation.

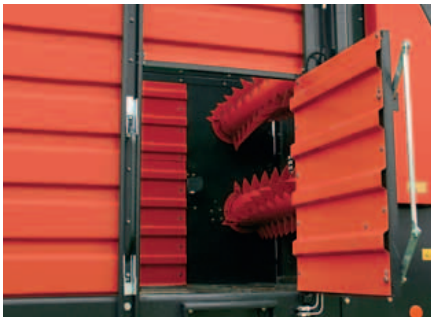
With the Kverneland Taarup 10045 RD and 10055 RD you can opt for two large-diameter discharge rollers, which are driven by a maintenance-free driveshaft, to unload the material in a uniform and even mat, reducing the need for evening out the clamp afterwards.

The sensor controlled tailgate is operated hydraulically. The tailgate is mechanically closed and is monitored through two sensors, showing the position on the control terminal. The opening angle can be set manually to ensure even unloading of material with the two discharge rollers.

The interior lighting kit provides generous light into the chamber when working at night.

Strong and straight side walls ensure smooth transfer of crop to the rear of the chamber.

The deflector plates ensure optimum distribution of the crop throughout the entire chamber.



Easy access to the chamber is provided by the access door and ladder.

Geared for Top Performance

Hydraulic Articulation Drawbar
The Kverneland Taarup 10040, 10045 and 10055 offers a ground clearance of more than 70cm when the pickup is raised. The hydraulically articulated drawbar allows the tractor to climb steep clamps, while the cab-mounted terminal offers operators convenient and safe drawbar control.

The Kverneland Taarup 10040, 10045 and 10055 are available with two different drawbar executions. The pin-hitch drawbar is standard fitted onto the Kverneland Taarup models, offering generous clearance when collecting huge swaths. High drawbar is optional available. The bottom-mounted drawbar puts more load on the front axles and is able to cope with higher loads.

The Kverneland Taarup models are optional fitted with hydraulically articulated pin-hitch drawbar.

Strong Axles and Running Gear
The strong and stable tandem axles offer smooth operation and are designed for safe and fast transport of the crop to the silo clamp. The tandem axle is rated to a maximum loading of up to 20 tonnes (up to 16 tonnes for Kverneland Taarup 10045 and and up to 14 tonnes for Kverneland Taarup 10040).

The standard level of specification comprises a hydraulic brake system and XXL tyres. Pneumatic breaking system is available as option. The large tyre sizes reduces soil compaction when operating in the field.

The Kverneland Taarup 10055 is standard fitted with actively steered wheels, improving maneuvrability when space is limited. Also it reduces ground damages when turning in the field and tyre wear.

Actively steered wheels for improved maneuvrability.

Large 600/55 - 22.5 tyres are standard fitted on Kverneland Taarup 10055.

Air brake system for safe transport is available as option.

The bottom-mounted drawbar is available as standard.

The drawbars are available with different hitching rings ...

... or ball heads making it possible to choose the solution suiting your tractor.

Everything Under Control with ISOBUS Terminals

ISOBUS - Get Connected

The Kverneland Taarup models are fully ISOBUS 11783 compliant. This means that they will plug directly into an ISOBUS compatible tractor without the need for a separate terminal. Standardisation of controls and the possibility to operate the functions via tractor joystick easier connection between tractors and implements, together with potential lower machine purchase costs are just some of the benefits that the ISO 11783 standard brings you.

Kverneland Group Mechatronics leads the field in the implementation of the ISOBUS standard. All major tractor and machinery manufacturers are committed to this standard with ever increasing numbers of tractors and machines now fully ISO certified - your assurance of a future proofed machine.

The majority of new tractors are currently still not supplied as standard with full ISO compatibility, so the Kverneland Taarup 10040, 10045 and 10055 can be supplied with the Focus terminal, or can be optionally specified with the revolutionary ISO-Match Tellus colour terminal.

IsoMatch Tellus – the Universal ISOBUS Terminal

The IsoMatch Tellus is the new virtual terminal, offering 2 interface screens in 1 terminal. The large 12” easily programmable touchscreen offers ergonomic use and is designed for long days of operation. Due to the increasing number of functionalities that can be added to a machine such as cameras, the operator can use the loader wagon interface in the top screen and a camera display in the bottom screen, to monitor the unloading process. Another possibility is to use the loader wagon interface in the top screen and the tractor interface screen at the bottom.

The following functions are operated with the Focus and IsoMatch Tellus control terminals:

- Choose between manual and automatic loading function.
- Choose between manual and automatic unloading function.
- Cut and uncut loadings counter per customer/field.
- Service menu to change specifications according to your personal needs.
- Adjustment of chain-and-slat conveyor speed.
- Work light on/off.
- Pick-up up/down.
- Drawbar up/down.
- Tailgate close/open.
- Knives in/out.

The Focus Control Terminal

The Focus terminal is easy to learn and very intuitive, with focus on functionality and operating simplicity. The Focus terminal is a universal control terminal which can also be used with other implements. The Focus terminal gives you full control of all functions from the tractor cab. They are shown on a large and very clear digital display.

The Focus terminal monitors and controls all necessary functions with all relevant parameters/information visible at a glance. Functions such as automatic loading and unloading are controlled via the Focus terminal.

Increased Throughput Requires a Strong Driveline

Efficient Power Transmission
The Kverneland Taarup 10040, 10045 and 10055 are fitted with a PTO shaft driveline that efficiently transmits the power, even to the very end of the wagon. Together with the maintenance-free gearboxes it reduces power requirements.

Power is evenly distributed throughout the Kverneland Taarup 10040, 10045 and 10055 via a heavy duty gearbox and driveline with a double wide-angle pto and integral cam clutch – all capable of handling up to 1800Nm of torque. This means more output, and better power transmission to the chopping rotor.

Central drive of the chain-and-slat floor conveyor provides a powerful, yet adjustable moving floor discharge system. Speeds can be controlled from the cab, up to a maximum of 12 metres/minute.

Technical Specifications

Model	10040 R	10045 R	10045 RD	10055 R	10055 RD
Body design					
Load capacity to DIN 11741 (average) (m^3)	23.1/26.1/29.2 (40)	29.3/32.6 (45)	26.1/29.4 (45)	35.6 (55)	32.4 (55)
Pickup/drawbar					
Pick-up total width/work width (m)	2.00/1.83	2.10/1.95	2.10/1.95	2.10/1.95	2.10/1.95
Tine rows/tine spacing (no./mm)	6/55	6/55	6/55	6/55	6/55
Drawbar load rating (kg)	3,000 • / 2,000 o	3,000 • / 2,000 o	3,000 • / 2,000 o	3,000 • / 2,000 o	3,000 • / 2,000 o
Drawbar suspension	o	o	o	•	•
Pickup/art. drawbar ground clearance (mm)	300/700	300/700	300/700	300/700	300/700
Rotor/cutting system					
Rotor width (tine to tine/full width) (m)	1.42/1.50	1.42/1.50	1.42/1.50	1.42/1.50	1.42/1.50
Rotor diameter (mm)	800	800	800	800	800
Rotor tine rows in chevron formation (no.)	9	9	9	9	9
No. of knives on cutting system	35	35	35	35	35
Theoretical chop length (mm)	40	40	40	40	40
Specification					
Drawbar/option	Low • / Bottom o	Low • / high o	Low • / high o	Low • / high o	Low • / high o
Feed rollers			2 serial		2 serial
Focus operator box/Tellus operator box	o / o	o / o	o / o	o / o	o / o
Weights					
Kerb weight (kg)	5,950	6,700	7,200	7,300	7,800
Kerb payload (kg)	8,050	10,300	9,800	12,700	12,200
Gross vehicle weight rating (kg)	14,000	17,000	17,000	20,000	20,000
Axle aggregate					
Tandem axles with caster axle	-	o	o	•	•
Tyres (standard)	500/50-17	550/60-22.5	550/60-22.5	600/55-22.5	600/55-22.5
Maximum speed (km/h)	40	40	40	40	40
Dimensions					
Length/width (m)	8.13/2.55	8.82/2.54	8.82/2.54	9.50/2.54	9.50/2.54
Height (standard tyres fitted) (m)	3.23/3.48/3.75	3.68 / 3.93	3.68 / 3.93	3.93	3.93
Platform height (m)	1.28	1.45	1.45	1.50	1.50
Body height/length/width (m)	1.95(2.20/2.47) x5.45x2.18	2.23(2.48)/ 610/2.18	2.30(2.48)/ 5.70/2.18	2.48/6.89/2.18	2.48/6.49/2.18
Tractor power (kW/hp)	66 (90)	89 (120)	89 (120)	111 (150)	111 (150)
Chain-and-slat conveyor/ automatic loading system			4 chains, 10mm, 10t breaking load		

* Minimum requirement on weight of tractor. • = standard o = optional

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Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.

Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.

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