



# **KVERNELAND PRODUCT RANGE**

2024

# WHEN FARMING MEANS BUSINESS

Realising the full potential of farming is about growing and developing your business, not only your crop or livestock, but also your profit. Improve productivity and profitability by focusing on the positives and minimising disadvantageous aspects, through strong, dedicated management.

Success springs from determination and clear targets, from laying down the appropriate strategy and allocating correct investments for the future. Quality results require the right ideas and equipment. When there is work to be done, you need the optimal setup and smart solutions that support you towards an easier, more profitable way of working. You need solutions that make tough and demanding conditions less complicated.



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.



## SOW

Effective sowing means speeding up when the soil is exactly right, in order to give your crop a head start.



## WEEDING

Mechanical weed control ensures healthy plant growth as the basis for high yields and safe food production whilst protecting the environment.



## SPREAD

Optimal spreading of fertiliser means using the exact amount of nutrition and avoiding overlap and waste.



## SPRAY

Efficient spraying is a decisive factor when securing yield, quality and protection of crops and environment.



## MOW

Accurately cut crops, mown at just the right time, is essential for quality forage.



## PROCESS

Processing the crop efficiently will boost your grass management, ensuring the correct dry matter content and best possible nutritional value.



## BALE

Clean pick-up and rapid compression into tight, dense bales preserves feed quality and maximises nutritional value.



## FEEDING

Accurate feeding and bedding, utilising the material to the maximum at the same time as keeping speed and pace during the process are key elements in securing a high output of your livestock.



The iM FARMING logo appears when the implement can be connected to our smart farming systems and accessories, essential for managing your business.

# KVERNELAND PRODUCT RANGE

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*Efficient Farming Systems  
and Profitable Solutions*

# YOUR KVERNELAND

## INTELLIGENT FARMING SOLUTIONS



Choose the best farming solution for you and your land. Combine the highest possible yields with sustainability. This will start with the correct tillage. The choices you make depend on various factors and have to match your specific circumstances, like soil structure, crop rotation, residue management, economic and ecological viabilities.

*The choice is yours!*

You must consider environmental and legal issues. From conventional methods to conservation tillage: the balance of operations at the right time has to be found to achieve high yields with the best soil condition (air, moisture, biological activity, etc.) with a minimum amount of energy, time and investment. For this, Kverneland offers a full range of intelligent farming solutions.



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

Strong focus on innovation allows Kverneland Group to provide a 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.

# SMART FARMING

## CONVENTIONAL AND CONSERVATION TILLAGE

### Conventional Tillage

#### Conventional Tillage

- **Intensive** method of cultivation
- Complete soil inversion e.g. by a plough
- Less than 15-30% crop residues left on soil surface
- Seedbed preparation done by an active tool or special seedbed harrow
- High phytosanitary effect by reduced pressure of weed and fungi diseases - fewer herbicides and fungicides needed
- Better dry-off and faster increase of soil temperature for better nutrients absorption

### Conservation Tillage

#### Mulch Tillage

- **Reduced** intensively in terms of depth and frequency
- More than 30% of residues are left on soil surface
- Extended repose period of the soil
- Cultivator and/or discs incorporate the crop residues within the top 10cm of soil for stable bearing soil
- Full-width tillage - seedbed preparation and seeding in one pass
- Protection against soil erosions with reduced loss of soil and water
- Improvement of soil moisture retention

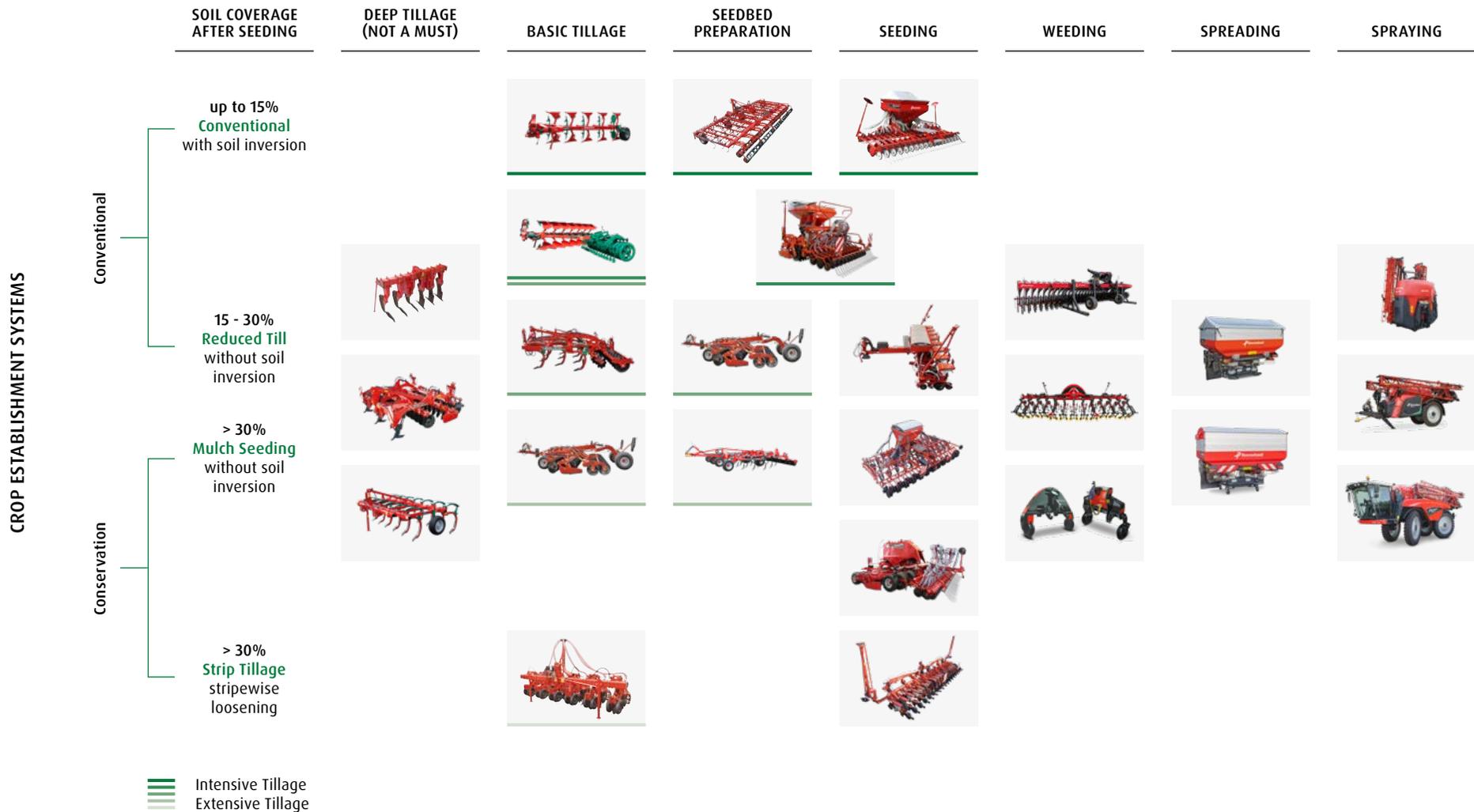
#### Strip Tillage

- **Strip-wise** loosening before or during seeding of up to 1/3 of the row width (Loibl, 2006). Up to 70% of the soil surface remains untouched
- Strip-till combines the soil drying and warming benefits of conventional tillage with the soil-protecting advantages of no-till by disturbing only the area of the soil where the seeds are placed
- Exact fertilising deposit
- Soil protection against erosion and drought

#### Vertical Tillage / No-Till

- **Extensive** method
- Working soil vertically avoids additional horizontal layers or density changes
- Increasing water infiltration, root development and nutrient take-up
- Plants' roots dictate the overall health of the plant, as they deliver nutrients and water throughout, contributing to a higher yield
- A strong set of roots make plants more resistant to wind and drought
- Indirect energy input

# KVERNELAND'S INTELLIGENT FARMING SOLUTION





## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





# SUBSOILERS

## SUSTAINABILITY

### Growth

The key to a successful harvest is good preparation. Eliminating compaction in the soil to **maximise the roots'** uptake of moisture and nutrients is vital, as is the preparation of a levelled weatherproof seedbed. Ensure a sound soil structure for your growth.

### Versatility

You want the best equipment for your specific conditions. Kverneland offers a large range of models and accessories to **meet your requirements** for subsoiling, cultivation operations or seedbed preparation.

### Efficiency

You want a machine **designed for longevity** that keeps up with the demands of stress with the minimum of downtime. For **cost effective operation**, the tractor power requirement should be used to **maximum efficiency**.

### Load balance

With the special design of the tines and frame, the power requirement has been reduced. This provides the **optimum weight transfer** from the tractor leading to important savings on fuel, time and tyres.

*Harvest starts here*



## SUBSOILERS KEEP UP YOUR ASSETS



### Subsoiler CL I

The short mounted single-beam subsoiler with curved tines can be used on its own or in combination with other machines.



### Subsoiler CLG II and CLG III

The auto-reset leaf spring tines cultivate subsoil and break up wheel tracks, to improve soil structure and promote good drainage. CLG II for tough soils and CLG III for intensive crumbling.



### Subsoiler DTX

The DTX is a one-pass stubble incorporator/soil-loosener for first entry with non-inversion tillage. It combines subsoil tines with a short disc harrow.



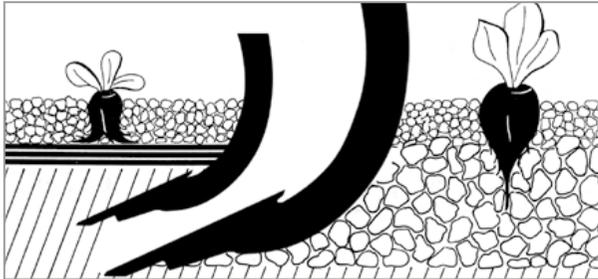
**1 Pro-lift Tine**  
 The Pro-Lift tine excels in heavier soil conditions where deeper loosening is required. Three wing options suit the degree of lift and shatter requirement.

**2 Disc section**  
 Two rows of conical heat-treated discs ensure good penetration, cutting and soil flow.

**3 DD - the Double Ring Roller**  
 The DD rear roller provides positive depth control and leaves a high quality consolidated, weather-proof surface.

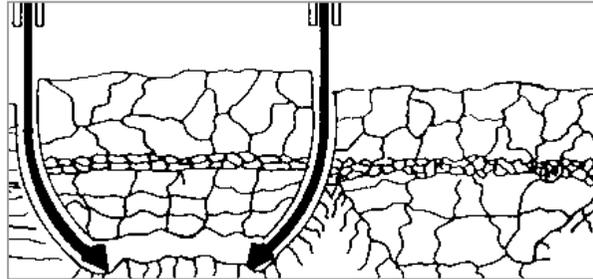


# SUBSOILERS SPECIAL FEATURES



### Chisel plough tine (CLG-II & III)

The tines provide good penetration, even in hard and dry conditions and create an intensive crumbling. The heat-treated tines are able to move up to 20 cm sideways.



### CLI curved tines

The curved tine acts by lifting up the soil volume without disrupting the condition of the surface. The curved shape exercises vertical and steady pressure.



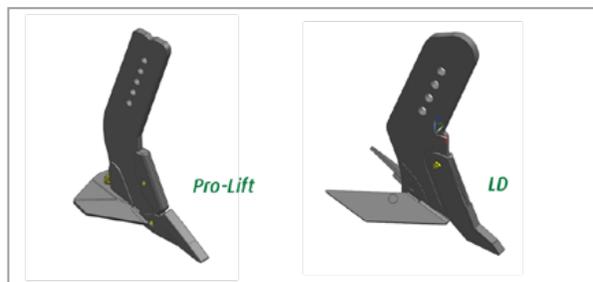
### CLI in combination

The CLI can be used solo or in combination with the short disc harrows Qualidisc Pro or Qualidisc Farmer, a power harrow or with a seed drill.



### Pro-lift with hydraulic auto-reset system (DTX)

The Pro-lift tine with hydraulic auto-reset version allows the point pressure to be easily adjusted from 1700 kg to 2925 kg for the hardest soils.



### Pro-lift and LD tine (DTX)

The Pro-lift and low disturbance LD tine lift the soil from the depth to relieve compaction. The wing options provide for a good lifting and reduce smearing. The soil flow closes directly behind the tine.



### a-drill 200 & 500 (DTX)

In one pass deep loosening, stubble cultivation and cover crop seeding reduce fuel consumption and increase efficiency.

# SUBSOILERS

## TECHNICAL DATA

Model	Working width (m)	Number of tines	Max. working depth (cm)	Underbeam clearance (mm)	Tine spacing (cm)	Weight (kg)	Max. power requirement (hp)	Specification
CLI	3.0 & 4.0	4 or 6 - 6 or 8	40	1,175	70/50 or 62.5/50	800 to 1,300	300	Shear bolt, rear linkage or cage roller, gauge wheels
CLG-II	2.2 to 5.6	2 to 13	50	860	60	316 to 1,608	250	Auto-reset leaf spring,
DTX	3.0	5	40	550	60	2,750 to 2,970	350	Shear bolt or Auto-reset, DD roller, Actipack, Actipress Twin, Rear finger harrow, Pro-lift tine or LD tine, a-drill



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





# PLOUGHS & PACKERS

## ROBUSTNESS TO MAXIMISE PROFITABILITY

### Robust

Developed over 140 years, the Kverneland Steel Technology remains unsurpassed within the plough industry. It guarantees extra robustness **for extra life time** to the plough.

### Soil & plant health

Ploughing is an essential step towards high yields and revenues. Efficient **non chemical method** for seedbed preparation, it controls weeds, slugs and pest. It repairs damaged fields and **creates the optimal conditions** for plant growth: ideal balance of air-humus-water content.

*Kverneland ploughs adapt to any tractor brands!*

### Economic to run

The design of a Kverneland plough combined to the specific heat treatments of each and every part ensure low running cost. **Easy to lift, easy to pull** for a low fuel consumption; optimised **low wearing of parts** ...

### High performance

Kverneland innovations and design of parts enable a quick set up and adjustments for the **perfect ploughed field**.



Smart electronic solutions





# PLUGHS & PACKERS

## MOUNTED REVERSIBLE PLOUGHS



**150**  
Robust & easy to operate.  
Stepwise adjustments or Variomat®.  
For light to medium-heavy soil conditions.



**ED/LD**  
Efficient low cost ploughing. Robust.  
Quick stepwise width adjustments.



**ES/LS**  
Adapts to any soils and tractors.  
Variomat® ploughs. Low lift requirements.



**EG/LB**  
Variomat® ploughs. Built for efficient work  
in medium to heavy soil conditions.



**2501 i-Plough®**  
Full ISOBUS plough. Any plough settings  
from the cabin. FURROWcontrol for straight  
furrows. NEW: compatible with any isobus  
tractor terminals.



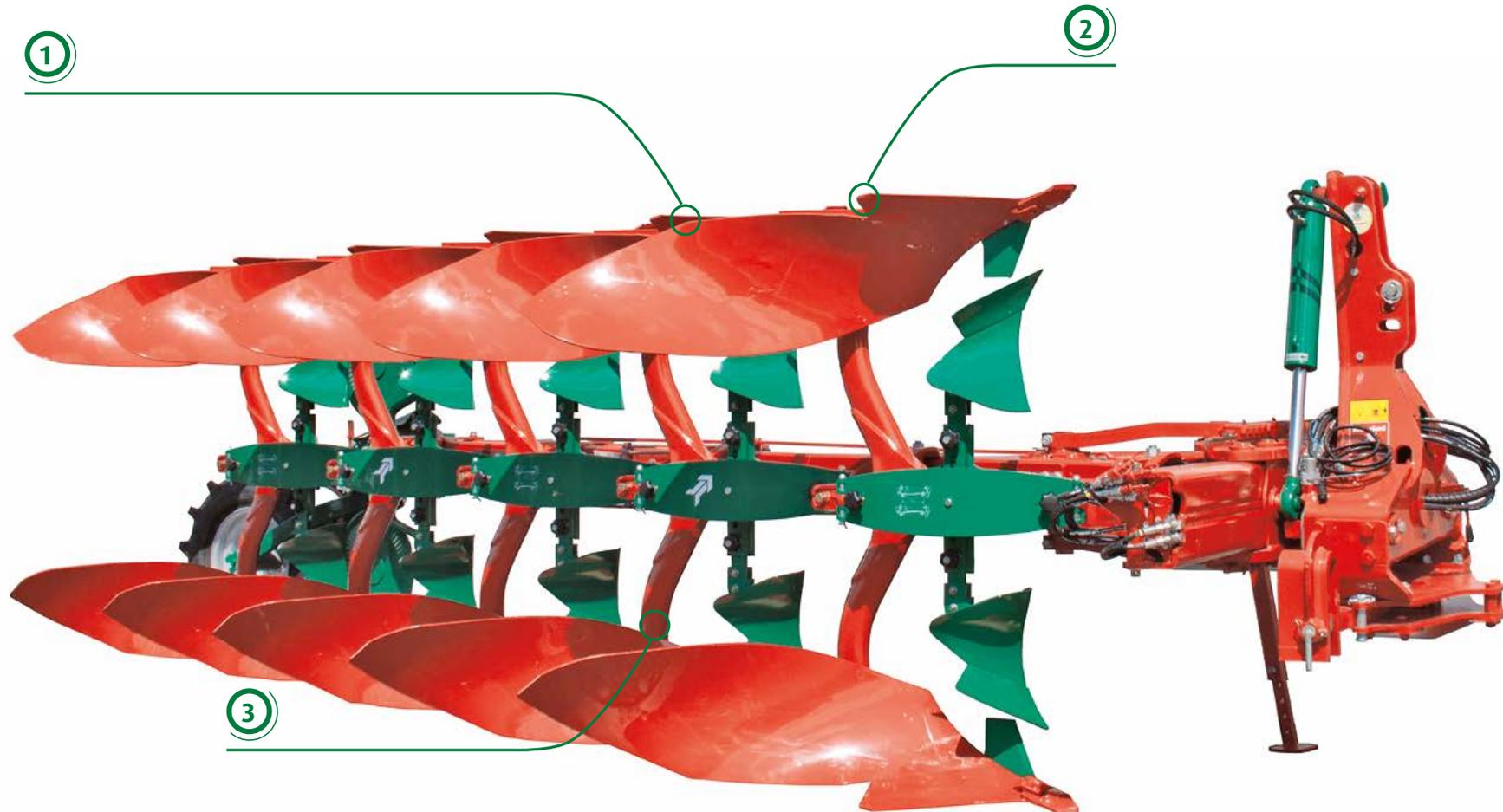
**LO (On-Land)**  
Easy switch In-Furrow/On-Land ploughing.  
Smooth turnover. Easy to lift and to pull.  
NEW: optional TTS for safer transport.



**2300 S / 3300 S: Variomat® or stepwise**  
New generation of Auto-reset ploughs  
for any soil conditions: Aero-profile legs,  
Kverneland Trailer Transport Solution (TTS).



**3400 S Variomat® or 3400 S stepwise**  
New generation of Auto-reset ploughs.  
Plough in-furrow/on-land at will.  
Kverneland Trailer Transport Solution.



**1** **Durability**  
Kverneland steel technology for the complete plough. It guarantees the best robustness and the lowest weight possible.

**2** **Easy to Use for High Performance**  
The design of Kverneland ploughs is voluntarily kept simple and functional. Easy and quick adjustments for the best ploughing results.

**3** **Maximised Profitability**  
Kverneland ploughs stand for robustness, low maintenance cost and high ploughing performance.



# PLOUGHS & PACKERS

## SEMI-MOUNTED REVERSIBLE PLOUGHS



**6300 S Variomat®**

New generation of Auto-reset ploughs for any soil conditions: Aero-profile legs... Very large rear mounted wheel for best stability and floatation. Awarded "dlv Machine of the year 2020".



**PG/RG**

Center-mounted wheel for narrow headlands. Wheel covered from 18".



**PN/RN (On-land)**

Built for In-Furrow and On-Land operations. Center mounted automatic wheel: ploughing out to fences.



**PW/RW**

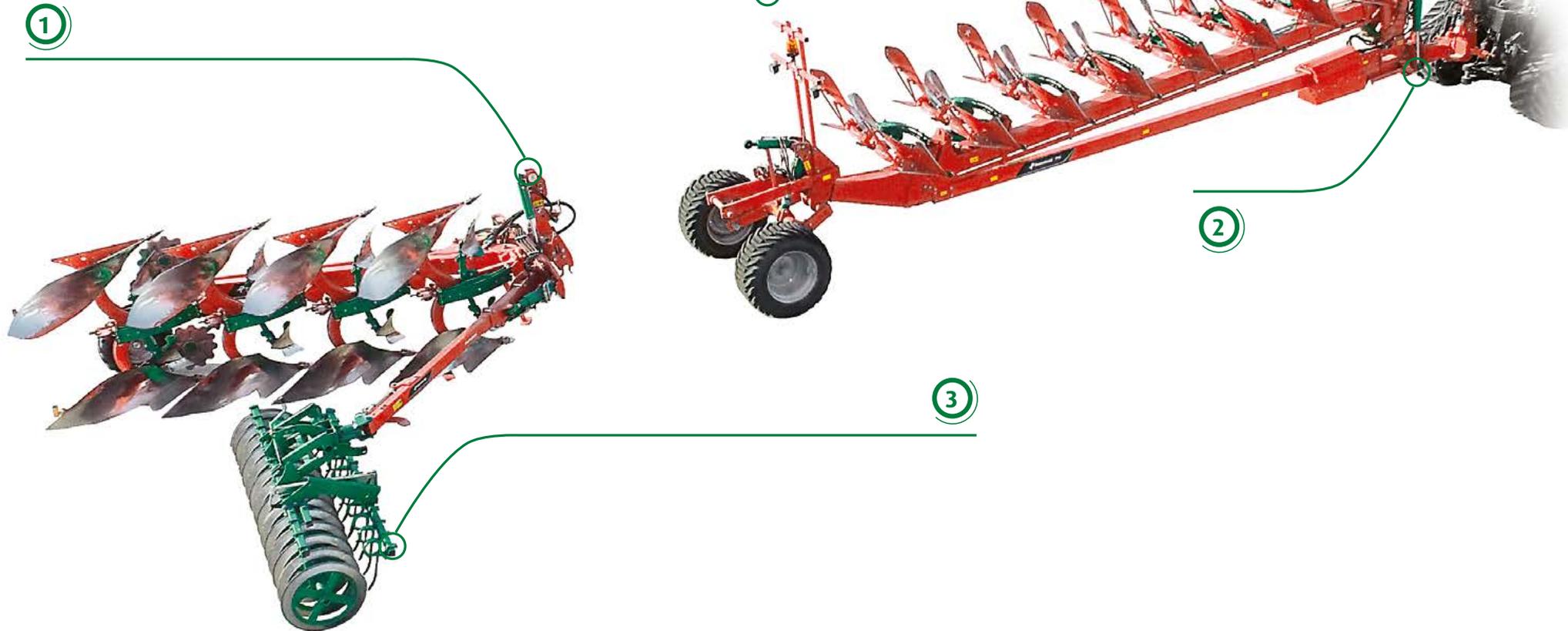
Efficient: 3 ploughs in 1 wagon plough. In-Furrow and/or On-Land operations. Smooth turnovers. ATS/ISOBUS.



Kverneland PW/RW ploughs are easy to manoeuvre via the IsoMatch Tellus PRO and Tellus GO+.



Smart electronic solutions



**1** **3 Ploughs in 1**  
Maximise capacity with the full plough.  
Flexibility by using either front wagon or rear plough.

**2** **In-Furrow & On-Land**  
PW/RW are available either/or In-Furrow/On-Land.

**3** **Packomat**  
Efficient and many agronomic benefits:  
plough and re-consolidate in only 1 pass.  
Packomat reverses automatically with the plough.



# ECO PLOUGHING ECOMAT, ECOMAT ON-LAND



### Variomat® (in-furrow)

Designed for high performance shallow ploughing. Light, quick and efficient tillage implement. Auto-reset leg protections. Packomat available. Ecomat is an efficient alternative to comply with chemical restrictions.



### Ecomat On-land

It features the same renowned bodies as the Ecomat. Easy stepwise working width changes. Shearbolt leg protections. High capacity: up to 5 m. Extra safe transport with the Trailer Transport Solution. The implement remains lower than the tractor cabin during transport.



### Ecomat Body

Plastic or steel mouldboards. Specific design to turn the soil fast to 180°.

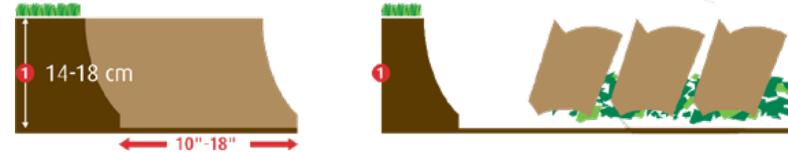


### Body accessories

Comprehensive choice of accessories for the desired soil preparation.

### Ecomat soil preparations:

#### Eco ploughing

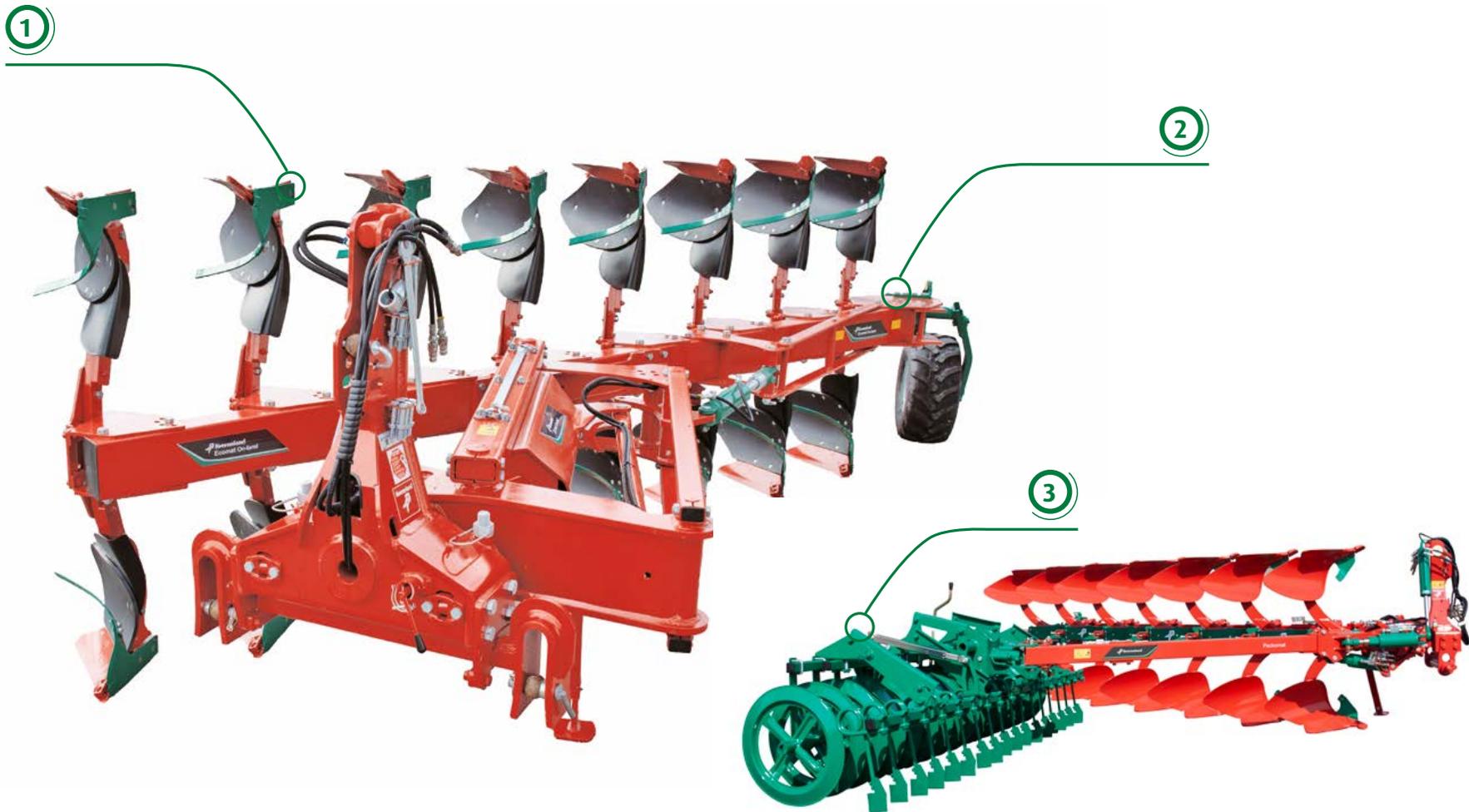


#### Eco tillage



#### Eco stubble





**1** **Ecomat – Optimise Ploughing**  
 Eco ploughing: traditional shallow ploughing.  
 Eco stubble: better mix at a shallow depth.  
 Eco tillage: buries more residues than a cultivator.

**2** **Ecomat – a True Alternative**  
 Shallow ploughing to comply with the new regulations regarding pesticides/fongicides/chemical weed controls.

**3** **Efficiency**  
 Packomat: 2 operations in 1 pass for the Ecomat in-Furrow. Trailer Transport Solution for the Ecomat On-land 10 furrow.



# PLOUGHS & PACKERS

## CONVENTIONAL PLOUGHS



**AB/AD Variomat®**

Strong Variomat® ploughs for small farms and any soil conditions. Also available as a Competition plough.



**BE Variomat®**

Built for any conditions. Automatic wheel steering for narrow headlands and easy transport.



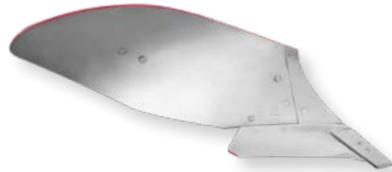
**Body No. 28**

- universal body – easy to pull
- for any soil conditions
- recommended for tractors with large tyres
- creates a flatter profile for improved tilth
- perfect turning of the furrow slice
- working depth: 12-30 cm
- working width: 30-55 cm
- landside / mouldboard: 40°



**XHD Carbide parts (option)**

Kverneland's tried and proved heat treatment processes paired with groundbreaking new designed Tungsten Carbide tiles will provide the best weapon against abrasive soils.



**Body No. 8**

- general purpose body
- for light to heavy soils
- working depth: 15-28 cm
- working width: 30-50 cm
- landside / mouldboard: 40°



**Body No. 9**

- universal body
- for light and medium soil
- easy to pull
- working depth: 18-30 cm
- working width: 30-50 cm
- landside / mouldboard: 40°



**Body No. 30**

- finger mouldboard with 4 exchangeable strips
- plastic spacers
- for any soil conditions
- intensive crumbling
- working depth: 18-35 cm
- working width: 30-55 cm
- landside / mouldboard: 46°



**Body No. 34**

- plastic mouldboard
- long and slim shape (similar to body No. 28)
- for soils with high humus content without stones
- advised for tractors with large tyres
- easy pulling
- working depth: 12-35 cm
- working width: 30-55 cm
- landside / mouldboard: 40°



**Body No. 38**

- universal body – easy to pull
- for any soil conditions
- recommended for tractors with large tyres
- from deep to shallow ploughing
- perfect turning of the furrow slice
- working depth: 12-35 cm
- working width: 30-55 cm
- landside / mouldboard: 40°



**Body No. 40**

- for wet, sticky, abrasive, stony conditions
- recommended for tractors with large tyres
- crumble effect. Marked furrows at low speed (winter ploughing)
- best cleaning effect in sticky conditions
- working depth: 12-35 cm
- working width: 30-55 cm
- landside / mouldboard: 40°



# PLOUGHS & PACKERS SPECIAL FEATURES



### Auto-reset

Efficient decompression system. No maintenance. Longer life to the plough and tractor.



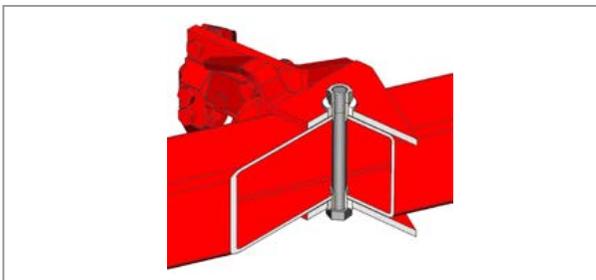
### Headstocks

Strong sealed roller bearings for years of maintenance free service. Trailer Transport Solution (TTS) in option.



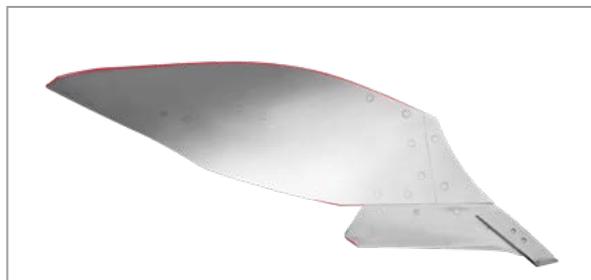
### Kverneland steel technology

The complete plough benefits from Kverneland steel heat treatments for maximum durability.



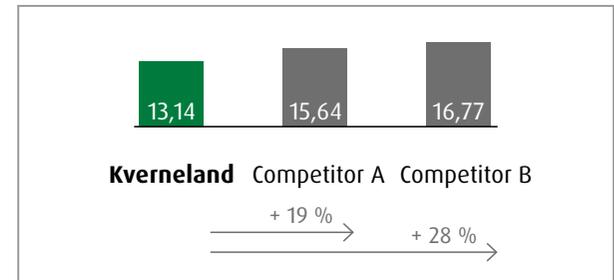
### Variomat®

Vary the working width at will. Unique Kverneland non-wearing pivot joint. No maintenance.



### Kverneland bodies

Renowned worldwide for their excellent work and durability. Wide range to adapt to any soil conditions. Reversible points, Quick-fit, Knock-on® or XHD carbide.



### Fuel consumption comparison (L/HA)

Test results from FH cologne 2014. Reference body KV No. 28 and equivalent from competitors.



**1** **Variomat®**  
Optimise productivity: adapt the ploughing width “on the move” for the optimal output.

**2** **Maximise Profits**  
Variomat® enables the match between soil conditions, tractor and fuel consumption.

**3** **Perfect Pulling Line**  
The pulling line adjusts automatically. Reduced wear and perfect ploughing.



# PLOUGHS & PACKERS

## SPECIAL FEATURES FOR 2300-2501-3300-3400-6300 PLOUGHS



### FURROWcontrol

ISOBUS solution for easy straight furrows. Available for the 2501 i-Plough® and PW/RW ploughs. New: available from any tractor terminals.



### IsoMatch Tellus PRO

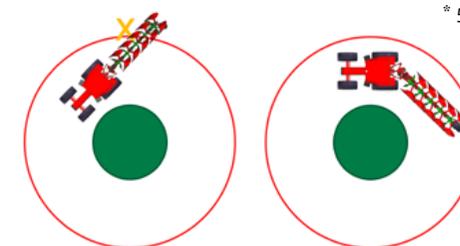
Easy intuitive touch screen. Available for the 2501 i-Plough® and PW/RW ploughs.

Model	Interbody clearance (cm)	Headstock	Type of beam	Working width (cm)	Underbeam clearance (cm)	No. of furrows
<b>Mounted reversible Ploughs</b>						
2300 S	85	No 200	Autom.	30 - 45*	80	3 - 5
2300 S	100	No 200	Autom.	30 - 50*	80	3 - 5
2300 S	115	No 200	Autom.	35 - 55*	80	3 - 4
2300 S V	85 / 100	No 200	Autom.	30 - 50 / 35 - 55	80	3 - 5
3300 S	85	No 300	Autom.	30 - 45*	80	4 - 6
3000 S	100	No 300	Autom.	30 - 50*	80	4 - 6
3300 S V	85 / 100	No 300	Autom.	30 - 50 / 35 - 55	80	4 - 6
3400 S	85	No 300	Autom.	35 - 45*	80	5 - 7
3400 S	100	No 300	Autom.	35 - 50*	80	5 - 6
3400 S V	85	No 300	Autom.	30 - 50	80	5 - 7
3400 S V	100	No 300	Autom.	35 - 55	80	5 - 6
2501 S i-Plough®	85 / 100	No 250	Autom.	30 - 55	80	4 - 6
<b>Semi-Mounted reversible Ploughs</b>						
6300 S V	100	-	Autom.	35 - 55	80	6 - 8
6300 S V	115	-	Autom.	35 - 55	80	5 - 7



### New Generation Features

Aero-profile legs to handle large amount of residues. Easy to add/remove leaf springs. Simultaneous adjustment of skimmers. Unique depth memory cylinder to reduce triangles at headlands.



### Kverneland Trailer Transport Solution (TTS)

Safe transport for you and for anyone, anything around. The plough behaves like a trailer. Optional.

\* 5 cm steps

# PLOUGHES & PACKERS

## TECHNICAL DATA

Model	Interbody clearance (cm)	Head-stock	Type of beam	Working width (cm)	Underbeam clearance (cm)	No. of furrows
<b>Mounted reversible Ploughs</b>						
150 B	85 / 100	N° 150	Shearbolt	30 - 45 / 35 - 50*	80	3 - 5
150 S	85 / 100	N° 150	Autom.	30 - 45 / 35 - 50*	70 / 75	3 - 5
150 B V	85 / 100	N° 150	Shearbolt	35 - 50	80	3 - 5
150 S V	85 / 100	N° 150	Autom.	35 - 50	70 / 75	3 - 5
ED	85 / 100	N°200	Autom.	30 - 45 / 35 - 50*	70 / 75	3 - 5
ED	115	N°200	Autom.	40 - 55*	70 / 75	3 - 4
ED	85 / 100	N°300	Autom.	30 - 45 / 35 - 50*	70 / 75	4 - 6
ED	115	N°300	Autom.	40 - 55*	70 / 75	4 - 5
LD	85 / 100	N°200	Shearbolt	30 - 45 / 35 - 50*	70 / 80	3 - 5
LD	115	N°200	Shearbolt	40 - 55*	70 / 80	3 - 5
LD	85 / 100	N°300	Shearbolt	30 - 45 / 35 - 50*	70 / 80	4 - 6
LD	115	N°300	Shearbolt	40 - 55*	70 / 80	4 - 5
ES V	85 / 100	N° 200	Autom.	30 - 50	70 / 75	3 - 6
LS V	85 / 100	N° 200	Shearbolt	30 - 50	80	3 - 6
LS V	115	N° 200	Shearbolt	35 - 55	80	3 - 4
EG V	85 / 100	N° 200	Autom.	30 - 50 / 35 - 55	70 / 75	3 - 5
EG V	115	N° 200	Autom.	35 - 55	70 / 75	3 - 4
EG V	85 / 100	N° 300	Autom.	30 - 50 / 35 - 55	70 / 75	4 - 6
LB V	85 / 100	N° 200	Shearbolt	30 - 45 / 35 - 50	80	3 - 5
LB V	115	N° 200	Shearbolt	40 - 55	80	3 - 4
LB V	85 / 100	N° 300	Shearbolt	30 - 50 / 35 - 55	80	4 - 6
LO	85 / 100	N° 300	Shearbolt	30 - 45 / 35 - 50*	80	5 - 7 (6 + 1)
LO V	85 / 100	N° 300	Shearbolt	35 - 55	80	5 - 7 (6 + 1)

\* 5 cm steps V: Variomat®

Model	Interbody clearance (cm)	Head-stock	Type of beam	Working width (cm)	Underbeam clearance (cm)	No. of furrows
<b>Semi-Mounted reversible Ploughs</b>						
PG V	100	-	Autom.	35 - 50	70 / 75	6 - 8
PG V	115	-	Autom.	35 - 50	70 / 75	5 - 8
RG V	100	-	Shearbolt	35 - 50	80	6 - 8
RG V	115	-	Shearbolt	35 - 50	80	5 - 8
PN	100	-	Autom.	35 - 45*	70 / 75	5 - 9
PN	115	-	Autom.	40 - 45*	70 / 75	5 - 7
RN	100	-	Shearbolt	35 - 40 - 45*	80	5 - 9
RN	115	-	Shearbolt	40 - 45*	80	5 - 7
PW	100	-	Autom.	35 - 50*	70 / 75	7 - 12
PW V	100	-	Autom.	35 - 50	70 / 75	7 - 12
PW V	115	-	Autom.	35 - 50	70 / 75	7 - 10
RW	100	-	Shearbolt	35 - 50*	80	7 - 12
RW V	100	-	Shearbolt	35 - 50	80	7 - 12
RW V	115	-	Shearbolt	35 - 50	80	7 - 10
<b>Conventional Ploughs &amp; Ecomat</b>						
AB V	85	-	Autom.	30 - 50	70 / 80	2 - 4
AB V	100	-	Autom.	30 - 55	70 / 80	2 - 4
AD V	85	-	Autom.	30 - 50	70 / 80	3 - 5
AD V	100	-	Autom.	30 - 55	70 / 80	3 - 5
BE V	85	-	Autom.	30 - 50	80	5 - 6
BE V	100	-	Autom.	35 - 55	80	5 - 8
BE V	115	-	Autom.	35 - 55	80	5 - 7
Ecomat	65	N° 200	Autom.	30 - 50	72	6 - 8
Ecomat OL	65	N° 300	Shearbolt	30 - 50*	80	8 - 10



# PLOUGHS & PACKERS

## RE-CONSOLIDATION



### Packomat

Integrated packer. Efficient: it follows the plough from ploughing to transport.



### Front Packer (FP)

Ideal for re-consolidation of dry soils. Easy management at headlands.



### Packer arm

For quick and smooth operations: hydraulic release & spring systems.



### Single Packer (SP)

Ideal for a good re-consolidation in light to medium soils.



### Double Packer (DP)

The re-consolidation is more uniform than by using a single packer.



### Turn Around Packer (TP)

The crumbler roller reduces the erosion by creating a fine seedbed preparation.

# PLUGHS & PACKERS TECHNICAL DATA

Model	Ring Ø (mm)	Weight (kg)	Ring spacing (cm)	Working width (m)
<b>Packomat</b>				
	480/600 mm 27° 4-5-6-8 furrow ring sections	*	20	2.40 - 4.00
<b>Single Packer (SP)</b>				
	900 mm 50°	1,072 - 2,094	20	2.10 - 4.30
<b>Double Packer (DP)</b>				
	900 mm 38°	1,414 - 2,720	15	2.25 - 4.35
	- with hydr. Transport system	2,434 - 3,078	15	3.15 - 4.35
	900 mm 50°	1,484 - 2,855	15	2.25 - 4.35
	- with hydr. Transport system	2,532 - 3,215	15	3.15 - 4.35
<b>Single Turn-around Packer (TP)</b>				
	900 mm 50° crumbler roller: 550 mm	1,646 - 2,748	20	2.10 - 3.70
<b>Front Packer (FP)</b>				
	700 mm 30°	950 - 2,050	15	3.00 - 6.00
	700 mm 45°	1,080 - 2,290	15	3.00 - 6.00
	900 mm 38°	1,395 - 3,005	20	3.00 - 6.00
	900 mm 50°	1,465 - 3,150	20	3.00 - 6.00
<b>Crumbler (CR)</b>				
	550 mm	475 - 815	17	2.20 - 3.80

\* adjustable pressure



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





# CULTIVATORS

## SOIL PREPARATION FOR HIGH YIELDS

### Versatile

Weather conditions vary and also crop rotations make it difficult to have just one cultivator to meet all requirements. Depending on the season and conditions, you want to manage high amounts of residues, leave a weatherproof surface or fine seedbed, cultivate **shallow or deep**. For this you need a **high capacity** cultivator with a full range of shares that is versatile.

### Durable

You want a machine that lasts, that copes with the stress on the material over a long time. Still you don't want extra weight. That's why Kverneland uses **Triflex tines** which are heat-treated to optimise the ratio between reliability and weight. Less stress on the tines means less stress on the frame means **long durability**.

### Sustainability

You want to **promote the decomposition** of straw and conserve soil moisture. From shallow stubble cultivation to deep loosening, you adapt the respective cultivation intensity to the conditions. This protects the natural soil structure, eliminates soil compaction and thus **promotes biodiversity**. With the triple finger harrow you provide mechanical weed control.

### User-friendly

You want a multi-functional cultivator which is **easy to use**. To be able to adjust the settings of the machine on the go to the specific soil conditions. Kverneland cultivators also offer the **Knock-on system** to change the points within seconds.

### Efficient

Soil structure is not the same on every field and weather conditions vary. You want the best equipment for your specific conditions. Kverneland offers a large range of accessories to meet your requirements. Benefit from the full range of shares and rollers for the **best cracking and crumbling** effect.

*Whatever the soil, there will always be a Kverneland Cultivator!*



# UNIVERSAL & STUBBLE CULTIVATORS FROM STUBBLE CULTIVATION TO SEEDBED PREPARATION



### Enduro & Enduro Pro / Enduro F & Enduro Pro F / Enduro T & Enduro Pro T (3-bar)

The universal cultivator for shallow stubble cultivation and deeper loosening with Triflex 700 tines for extra strength (700 kg release force) or for lighter not stony conditions with shear-bolt tines (2,400 kg release force). For intensive mixing or minimum soil disturbance there are different shares, also with the Knock-on system available. On the Enduro Pro a double parallelogram allows to control working depth (on the GO) and levelling height. A new trailed frame, Enduro T from 4.0 to 5.0 m meets the requirements of the medium-sized farms.

### CTC (3 or 4-bar)

The versatile CTC can be equipped with 3 or 4 rows of tines and even with front disc for excellent ground tillage.



### Turbo and Turbo F (4-bar)

The all seasons cultivator for stubble cultivation and seedbed preparation from 3 to 20 cm. The machines operate at high forward speeds whilst maintaining a consistent working depth. With Reflex or Triflex 400 tines. A complete offering of shares for deeper, shallower or full cut working incl. Knock-on system is available. For consolidation a wide range of rear rollers or the triple finger harrow with depth control wheels meet the various conditions.

### Turbo T & Turbo T i-Tiller (5-bar)

The trailed frame versions Turbo T ensure high capacity and best traction due to the automatic load transfer of up to 1,800 kg. The Turbo T i-Tiller is the ISOBUS smart cultivator with Dynamic Traction Control and Auto-Protect.



**1** **Tillage**  
 The operational area is versatile from seedbed preparation due to a narrow tine pitch to stubble cultivation.

**2** **Levelling**  
 Kverneland offers springloaded discs or tines as levelling equipment. Adjustable in depth and aggressiveness for best results.

**3** **Re-consolidation**  
 The final step of perfect seedbed preparation is soil recompaction. A wide range of rollers is available for various conditions and requirements.



# UNIVERSAL & STUBBLE CULTIVATORS

## SPECIAL FEATURES



### Reflex tine (Turbo)

The Reflex tine benefits from a high vibration effect: the large coil and the tine clearance of 725 mm give high flexibility. The vibrations crack the clods while mixing.



### Triflex® tine 400 and 700 (Turbo, Enduro/Enduro Pro & CTC)

The Triflex® tines with specific angles and auto-reset leaf spring system reduce pulling force. Very stable in work with release forces of 400 kg (Turbo) and 700 kg (CTC and Enduro/Enduro Pro).



### Triple finger harrow (Turbo & Enduro Pro)

The triple finger harrow provides levelling and mechanical weed control by pulling the weeds out of the ground. The roots dry out on the surface. This is interesting for rhizome (couch grass, bindweed ...), that grow again if pressed by a packer straight after cultivation. The angle and pressure can be adjusted via the parallelogram. Gauge wheels control the working depth.



### Knock-on®

Knock-on® is a patented system and the easiest way of changing parts. The Knock-on® range offer 4 cutting widths of 80, 150, 250 and 320 mm shares.



### Cutting disc (CTC)

Front discs for the cutting of residues and blockage free working. Position and pressure of the discs can be adjusted hydraulically at any time.



### a-drill 200 & a-drill 500 (Enduro, Enduro Pro, Turbo, CTC)

The most efficient way to establish cover crops in the autumn, drilling directly during stubble cultivation.

# UNIVERSAL & STUBBLE CULTIVATORS

## TECHNICAL DATA

Model	Frame	Working width (m)	Underbeam clearance (mm)	No. of rows	Row spacing (mm)	No. of tines	Type of tine Release force (kg)			Tine spacing (mm)	Min. to Max. (HP)	Weight (kg)	Levelling equipment / integrated seed drill
							Reflex	Triflex	Shear-bolt				
Enduro / Enduro Pro	rigid	3.0 - 4.0	870	3	750	10 - 14	-	700	2,400	285	90 - 270	2,020 - 2,860**	Levelling tines, levelling discs. Triple finger harrow, a-drill
Enduro F / Enduro Pro F	fold	4.0 - 5.0	870	3	750	14 - 18	-	700	2,400	275 / 270	130 - 350	3,360 - 4,140**	Levelling tines, levelling discs. Triple finger harrow
Enduro T / Enduro Pro T	trailed	4.0 - 5.0	870	3	750	14 - 18	-	700	2,400	275 / 270	130 - 350	4,618 - 5,373**	Levelling tines, levelling discs
CTC	trailed	3.0 - 6.0	870	3 or 4	900 - 1,500	15 - 29	-	700	2,400	270 / 200	145 - 450	3,800 - 5,000*	Levelling tines, levelling discs, a-drill
Turbo	rigid	3.0 - 3.5	725	4	550 - 600	15 - 17	200	400	-	190	90 - 175	1,720 - 1,915**	Levelling tines, levelling discs. Triple finger harrow, a-drill
Turbo F	fold	4.0 - 6.0	725	4	550 - 600	21 - 31	200	400	-	190	120 - 300	3,129 - 3,981**	Levelling tines, levelling discs. Triple finger harrow
Turbo T	trailed	6.5 & 8.0	725	5	510 - 900	33 - 41	200	400	-	190	200 - 450	6,600 - 7,400**	Levelling tines, levelling discs. Triple finger harrow
Turbo T i-Tiller	trailed	6.5 & 8.0	725	5	510 - 900	33 - 41	200	400	-	190	200 - 450	6,600 - 7,400**	Levelling tines, levelling discs. Triple finger harrow

Weights given as an indication: \* with Actiring / \*\* with Actipack

Rollers can be combined with single following harrow

### ROLLERS FOR ALL TYPES OF SOIL



**Actipack**  
ø560 mm - 205 kg/m



**Actiring**  
ø540 mm - 160 kg/m



**Actiflex**  
ø580 mm - 160 kg/m



**Actipress Twin**  
ø560 mm - 220 kg/m  
(up to 250 kg/m with soil)



**Actipress Single**  
ø560 mm - 140 kg/m  
(up to 175kg/m with soil)



**Cage roller**  
ø550 mm - 90 kg/m



**Double cage roller**  
ø400 mm (tube/flat)  
- 160 kg/m



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





# SHORT DISC HARROWS

## SPEED UP WHEN THE TIME IS RIGHT

### Performance

After harvest, you want to get ready for the next crop immediately. Time slots are tight, so **speed is important**. You need a machine that has the **right capacity** to finish the job in time.

### Flexibility

You want to be ready for all different tasks to be done in **spring, summer and autumn season**. Stubbling, seedbed preparation or cover crop seeding of conservation or conventional systems. Shallow and deeper cultivation, all alike, require excellent penetration, cutting and consolidation quality.

### Sustainability

You want to encourage straw decomposition and maintain soil moisture. You establish cover crops for improved humification and the binding of **Carbon Dioxid (CO<sub>2</sub>)**. Shallow stubble cultivation by discs with minimum soil disturbance protects natural soil structure, avoids erosion and **supports biodiversity**.

### Strength

You want a **machine that lasts**, that copes with the stress on the frame and discs over a long time. Cutting, incorporation and a good soil flow even with high amounts of residues such as maize straw require strength and durability.

### Efficiency

You invest in the best equipment. In return, you want the best results and low cost of operation. The combination of high hectare output, strong performance over the entire working width with **reduced lifting and pulling force** requirement means utmost efficiency.

*Perfect straw Incorporation, promotion of germination and reduction of volunteer seeds*



## QUALIDISC RANGE HIGH CAPACITY AND PERFORMANCE



**Qualidisc Farmer (mounted rigid) / Qualidisc Farmer (mounted foldable) / Qualidisc Farmer (trailed)**

The Qualidisc Farmer is the lighter model of the Qualidisc Pro. To operate more shallow up to 10 cm. Reducing soil compaction and saving fuel as it is lighter to pull. Still the frame has been designed to carry the heaviest roller like the Actipack. A heat-treated disc of 520 x 5 mm ensures a long life time (hardness 215 kg/mm<sup>2</sup>). The disc hub is maintenance-free.



**Qualidisc Pro (mounted rigid) / Qualidisc Pro (mounted fold) / Qualidisc Pro (trailed)**

The Qualidisc Pro is ready for shallow and deeper cultivation. The Qualidisc Pro shows excellent performance with large amounts of residue (maize, straw, intermediate green crops, etc.) thanks to its 600 x 6 mm discs. The Qualidisc Pro convinces with good penetration, deeper cultivation and superb cutting quality, high output, simple adjustments and minimum maintenance costs.



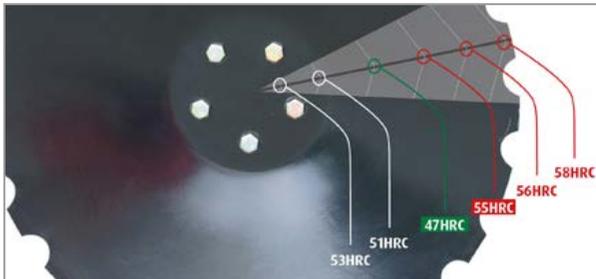
**1** **Tillage**  
 The Qualidisc Pro (ø600 mm) and Qualidisc Farmer (ø520 mm) with two rows of discs and a distance of 900 mm ensure optimal soil flow and preparation. A clod board can be mounted on trailed models.

**2** **Levelling**  
 The short disc harrows offer lateral side deflectors to achieve a complete cut over the entire working width. An optional integrated finger harrow regulates the soil flow for a perfect levelling.

**3** **Re-consolidation**  
 The third step of perfect stubbling or seedbed preparation is soil re-consolidation. For this a wide range of rollers and a following harrow are available to meet the various conditions and requirements.



# SHORT DISC HARROWS SPECIAL FEATURES



### Conical notched disc

The Kverneland disc is one of the hardest discs in the market! Special heat treated disc of 55-58HRC (215 kg/mm<sup>2</sup>) for long durability.



### Special notched disc

Kverneland also offers a disc with big notches to enhance the rotation and self-cleaning especially in fluffy and sticky soil with more than 20% of clay.



### Maintenance-free bearings

The maintenance-free double ball bearings are developed for extreme soil conditions. The bearing with 5 sealing lips protect against dust, water and minimise wear.



### Lateral adjustment (only on Qualidisc Pro models)

In order to maintain a good cutting quality, the disc rows of the Qualidisc Pro can be adjusted to each other because the size of the discs is important. This ensures that the short disc harrow always cuts the soil over the entire working width and the wear of the disc can be compensated. A scale indicates the adjustment value according to the disc diameter - simple and efficient.



### a-drill 200 & a-drill 500

The most efficient way to establish cover crops in autumn, is to carry out the drilling directly during stubble cultivation.

# SHORT DISC HARROWS

## TECHNICAL DATA

Model	Frame	Working width (m)	Ø Disc (mm)	No. of discs	Disc spacing (mm)	Min. to Max. (HP)	Option
Qualidisc Farmer	rigid	2.0 - 4.0	520 x 5	16 - 32	245	50 - 200	Levelling harrow, hydr. or manual depth adjustment, a-drill
Qualidisc Farmer F	fold	4.0 - 6.0	520 x 5	32 - 48	250	110 - 300	Levelling harrow, hydr. or manual depth adjustment, a-drill
Qualidisc Farmer T	trailed	4.0 - 6.0	520 x 5	32 - 48	250	130 - 300	Clod board, levelling harrow, hydr. depth adjustment, a-drill
Qualidisc Pro	rigid	2.0 - 4.0	600 x 6	16 - 32	245	70 - 240	Levelling harrow, hydr. or manual depth adjustment, a-drill
Qualidisc Pro F	fold	4.0 - 6.0	600 x 6	32 - 48	250	150 - 350	Levelling harrow, hydr. or manual depth adjustment, a-drill
Qualidisc Pro T	trailed	4.0 - 7.0	600 x 6	32 - 56	250	180 - 400	Clod board, levelling harrow, hydr. depth adjustment, a-drill

Rollers can be combined with single following harrow

*Shallow cultivation  
with high performance*

### ROLLERS FOR ALL TYPES OF SOIL



**Actipack**  
ø560 mm - 205 kg/m



**Actiring**  
ø540 mm - 160 kg/m



**Actiflex**  
ø580 mm - 160 kg/m



**Actipress Twin**  
ø560 mm - 220 kg/m  
(up to 250 kg/m with soil)



**Actipress Single**  
ø560 mm - 140 kg/m  
(up to 175kg/m with soil)



**Cage roller**  
ø550 mm - 90 kg/m



**Double cage roller**  
ø400 mm (tube/flat)  
- 160 kg/m



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





# SEEDBED CULTIVATORS & ROLLERS

## A SOUND FOUNDATION

### Specific

Soil structure and working conditions are different in every field. So you want to adjust your seedbed cultivator by the **right choice** of rear equipment or even a clod board to suit your local requirements. Be demanding – be specific.

### Strong

You want a machine that lasts, that copes with the stress on the material over long time. Still you don't want extra weight. That's why Kverneland has **optimised the ratio** between precise depth control, ability to follow the ground contour and weight distribution.

### Defined

A fine and even seedbed can be achieved by a defined depth control of the seedbed cultivator over the whole working width. The basis for your yields. Offering all plants the same access to nutrients and light. Defined application, to **safeguard your assets**.

### Precise

The finer soil particles are deposited in the lower level of the tilth to promote rapid and uniform germination and also to **prevent loss** of moisture whilst the coarser clods are kept on the surface in order to reduce the risk of surface capping.

*Constant depth control to get  
a fine and even seedbed*



# SEEDBED CULTIVATORS & ROLLERS

## SEEDBED PREPARATION IN JUST ONE PASS



### Kverneland Access+

The Access+ is a short seedbed harrow used instead of a power harrow. In combination with a DA or s-drill, this is a lightweight and cost-effective solution for light to medium soils.



### Kverneland TLD

The TLD offers 5 rows of tines to ensure a free flow of soil between the tines and thus allowing to work deeper or in trashy conditions.



### Kverneland TLG

The TLG is a heavy-duty precision cultivator designed for the optimum seedbed preparation for sugar beet, potatoes and vegetables.



### Kverneland Actiroll Classic / Kverneland Actiroll

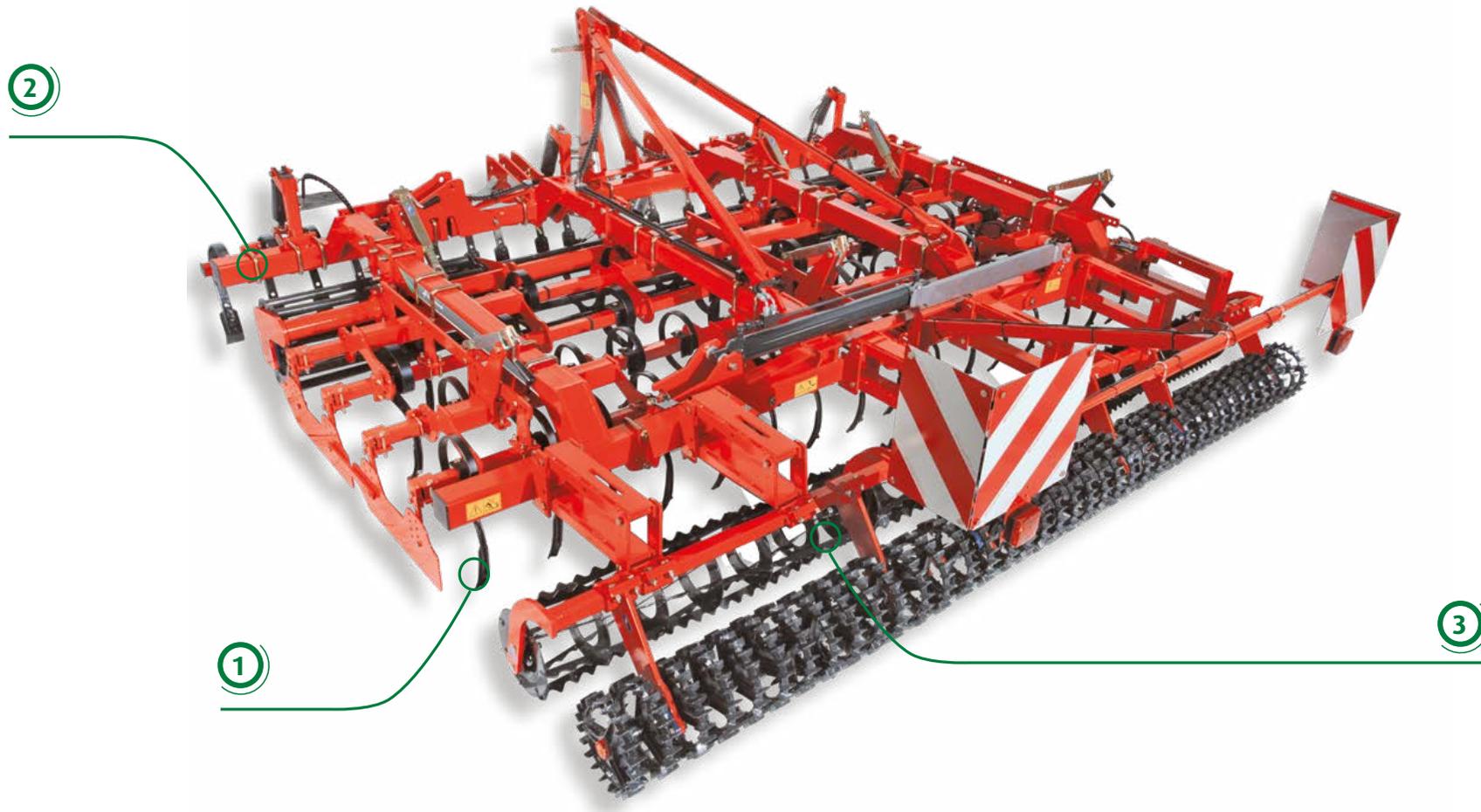
The trailed roller Actiroll for efficient soil compaction and levelling either after seeding or after winter frosts. The Actiroll is equipped with the weight transfer system Contoura.



### Kverneland Actiroll HDC / Kverneland Actiroll HD

The heavy-duty rollers Actiroll HD and HDC benefit from the hydraulic weight transfer Contoura. The weight of the central frame is transferred to the wings. Therefore the loading applied onto each element ensures an even reconsolidation over the complete working width.





**1** **Tines for All Conditions**  
4 different tines from semi-curved to straight for all types of soil and seasons in 4 rows on TLG or 5 rows on TLD seed bed harrow.

**2** **Clod Board**  
Levelling board for perfect crumbling and levelling thanks to vibrating tines. Land wheels on the TLD ensure high stability operation.

**3** **Crumbler Roller**  
The pressure applied on the crumbler rollers can easily be adjusted manually, with 4 different positions.



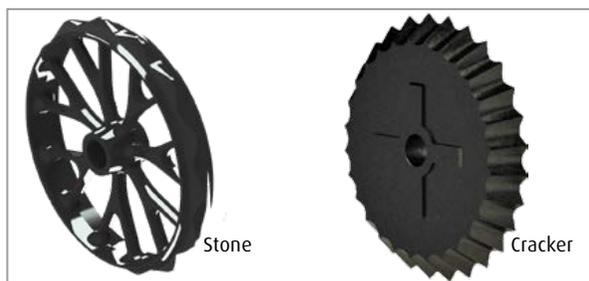
# SEEDBED CULTIVATORS & ROLLERS

## SPECIAL FEATURES



### Contoura weight transfer (Rollers)

The weight of the central frame is transferred to the wings by two hydraulic cylinders (Actiroll HD) or mechanically (Actiroll) to ensure an even reconsolidation.



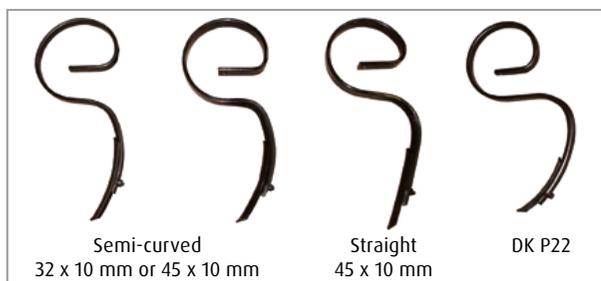
### Stone and Cracker rings (Rollers)

The patented cambridge models (Stone rings) ensure best reliability and long durability. The Cracker rings ensure perfect seed-to-soil contact ideal for seedbed preparation. 3 or 6 years of warranty.



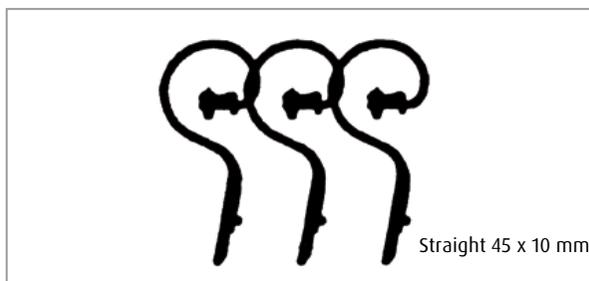
### Clod board

The clod board is able to combine levelling and cracking in one pass, due to the high vibrations of the cracker tines. It can easily be set in the off position.



### Tines TLD & TLG

A great variety of tines for all conditions. Semi-curved tines provide a fine crumbling surface. The straight tine prevents clods raising at the surface in wet conditions. The DK tine guarantees high resistance and vibration in heavy soil.



### Tines Access+

The Kverneland Access+ is equipped with 2 or 3 rows of strong straight tines 45 x 10 mm for all conditions. 2 rows of tines can be equipped with a hydraulic clod board.



### Combination of crumbler and crosskill roller.

A large choice of rear equipment is available for a good re-consolidation and fine surface crumbling.

# SEEDBED CULTIVATORS & ROLLERS

## TECHNICAL DATA

Model	Frame type	Working width (m)	Transport width (m)	Min. / Max. (hp)	Number of tines	Options and accessories
<b>Seedbed Cultivators</b>						
Access+	mounted	3.0	3.0	60 / 120	19	Cage, Packer, Actiline roller/Clod board
TLD	mounted	5.1 - 8.1	2.5	90 / 230	51 - 81	Levelling bar/Clod board, finger harrows, crumbler rollers,
TLG	mounted	4.0 - 5.0 - 6.0	2.5	80 / 260	47 - 71	Levelling bar/Clod board, finger harrow, crumbler rollers, Crosskill rollers
<b>Rollers</b>						
Actiroll Classic	trailed	6.3	2.5	60 / 200	-	Cambridge, Crosskill, Cracker
Actiroll	trailed	4.5 - 9.5	2.5 - 3.0	70 / 200	-	Cambridge, Crosskill, Cracker/Clod board
Actiroll HD	trailed	10.3 - 24.3	3.0	160 / 550	-	Cambridge, Crosskill, Cracker/Clod board
Actiroll HDC	trailed	10.3 - 12.3	3.0	160 / 270	-	Cambridge, Crosskill, Cracker/Clod board



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





## STRIPTILLER DEFINED APPLICATION IN STRIPES

### Sustainable

You want the benefits of conventional tillage and also believe in the advantages of no-tillage. Only the area of soil is cultivated where plants are intended to grow. **Sustainable farming** means protecting your soil against erosion and water evaporation. At the same time you don't want to lose out on yield. Thus concentrate on the stripes with the right choice of tools.

### Defined

**Accurate fertiliser placement** only where it will be absorbed by the plant saves money and protects the environment. That's where our Kultistrip deposits the fertiliser, ready for the roots to reach. Incorporation of slurry alike. Defined application, to **safeguard your assets**.

### Easy

Soil structure is not the same on every field, neither are working conditions. So you have to adjust your Kultistrip. For that you do not want to waste time and energy. That's why the Kverneland Kultistrip has been developed to be adjusted **easily** without any tools and is **maintenance-free**.

### Efficient

You invest in the best equipment of state of the art engineering. In return you want the best results and **low cost of operation**. The design of the Kultistrip is extremely short. Less lifting force needed means saving on fuel costs.

*Strip-Tillage means that up to 70% of the soil surface remains untouched*



# STRIP-TILLER

## STRIP-WISE LOOSENING WITH THE EXACT DEPOSIT OF FERTILISER



### KultiStrip rigid

The rigid models of the KultiStrip offer an easy start into Strip-Till. Due to the design of the main frame, the machine is extremely short, reducing the lifting capacity required. Available from 3.00 to 6.00 m.



### KultiStrip fold

The folding frames of the KultiStrip 4500F and 6000F allow a quick change from transport to working position which is necessary for operation on several fields or farms. The folding frame is built in three parts with a central section.

### 5 steps to prepare a seedbed in a stripe



The **front-cutting discs** open the soil and cut long residues which can be easily removed by the following trash wheels.



The **trash wheels** move high amounts of residues out of the strip for a clean seedbed.



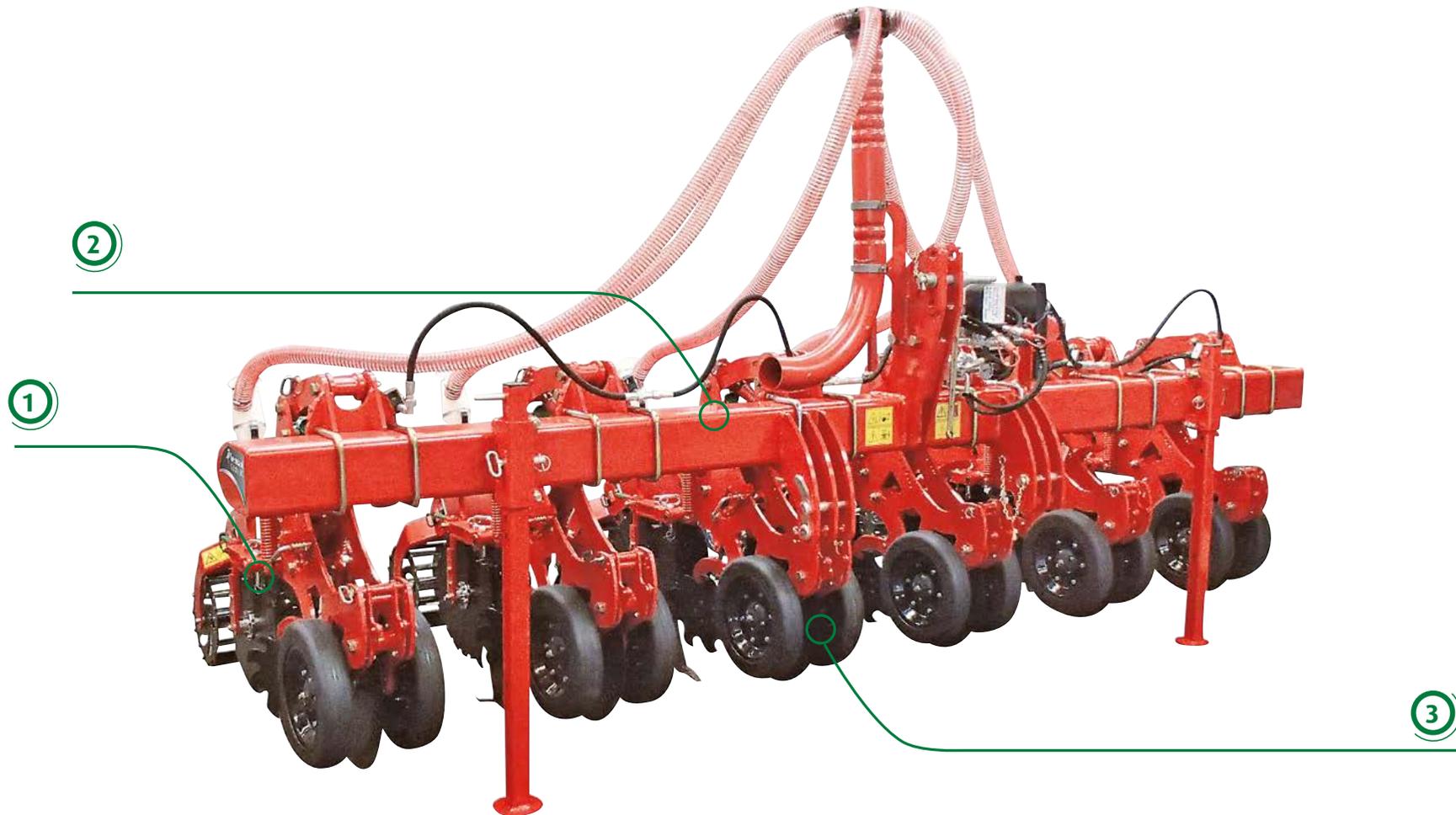
Special **shares** with wing break-up the soil down to a depth of 30 cm. Three different types of tines are available.



The **side blades** keep loose earth in the strip and define width and form of the strip.



The **press wheels** reconsolidate the soil. Three different press wheels give full versatility to changing soil conditions.



**1 Kultistrip Row**  
 The extremely short design allows a reduced lifting capacity. The row is guided via parallelogram by two gauge wheels. The fertiliser can be placed independently from the working depth.

**2 Frame**  
 The main frame is extremely compact. All models have a strong square tube frame; to withstand the highest traction forces.

**3 All Adjustments without Tools**  
 The Kverneland Kultistrip is extremely operator-friendly: all settings can be adjusted without the use of tools. The Kultistrip row is fully maintenance-free.



# STRIP-TILLER SPECIAL FEATURES



### Cage roller

- Medium reconsolidation
- Crumbling of the soil surface
- Use for light and medium soil, and perfect to use for slurry injection



### Farmflex wheel

- Good reconsolidation especially of the upper soil area
- Effective crumbling of the top layer
- Use for wet or dry conditions, partly for slurry injection



### V-press wheel

- Good reconsolidation even down to 30 cm
- Effective crumbling of the top layer
- Use for heavy soils



### Fertiliser application

Incorporation of fertiliser whilst creating stripes presents one of the basic characteristics of strip till. The cultivation tine and the fertiliser tube can be adjusted independently.



### Slurry injection

Whilst the stripes are being cultivated, the slurry is already incorporated. No further passes are needed, unproductive loss of nutrients are avoided.



### IsoMatch Global 3

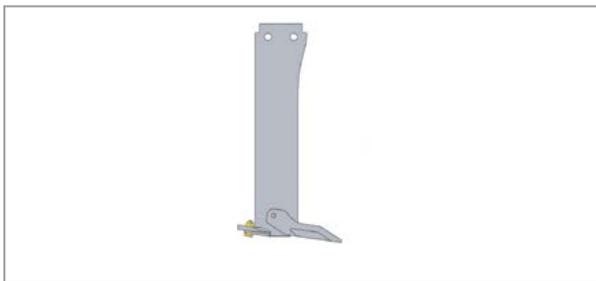
IsoMatch Global 3 GPS tractor control is a suggested solution for the Strip-Till concept. The IsoMatch Global 3 is a GPS antenna system with DGPS accuracy for the best precision and productivity possible.

# STRIP-TILLER

## TECHNICAL DATA

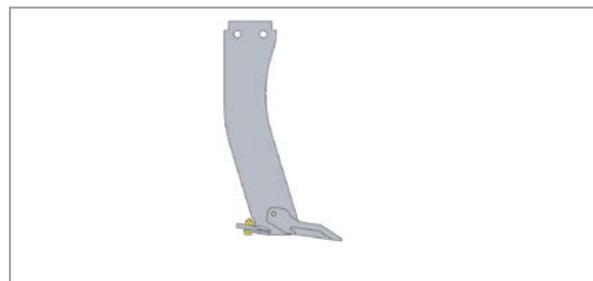
Model	Frame	Working width (m)	Transport width (m)	Number of rows	Tine spacing (cm)*	Weight (kg) minimum row width	Weight (kg) maximum row width	Linkage	Specification
Kultistrip	rigid	3.0 - 4.5 - 6.0	3.0 -6.0	4 - 13	45 - 80	1,850 - 3,600	1,350 - 2,550	CAT II / III	Hydraulic overload protection
Kultistrip F	foldable	4.5 & 6.0	3.0	6 - 12	45 - 80	3,350 - 4,000	2,300 - 2,950	CAT III	Hydraulic overload protection

\* Different tine spacing possible; depending on working width



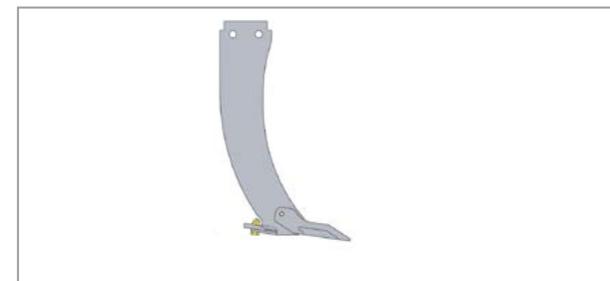
### Straight tine

Used for light soil. Low mixing effect. Minimum soil-disturbance on the surface. Perfect for moisture conservation. Available as carbide version.



### Angled tine

Used for light to medium soil. Good mixing and crumbling effect. Perfect for changing soil conditions. Available as carbide version.



### Curved tine

Used for heavy soils. Intensive mix and crumbling effect. More aggressive angle. Perfect for soils with high percentage of clay. Available as carbide version.



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





## POWER HARROWS YOU CAN RELY ON!

### Power

You want a **perfectly levelled seedbed** to give your crop good starting conditions. Smooth running of the power harrow ensures perfect performance. Kverneland power harrows are all equipped with 4 rotors per metre of trough and helical tine positioning. Preparing the basis for **your yields**.

### Strength

You want a machine that lasts, that copes with the stress on the material over a long time. Still you don't want extra weight. That's why Kverneland has developed the machines with the self-supporting trough and close centre of gravity. Less lifting force needed means **saving on fuel costs**.

### Efficiency

When the time is right you want to act **immediately**. Seedbed preparation and seeding in **one pass saves time and fuel**. It relieves your time pressure. The active tool is intended for ploughed land or mulch conditions.

### Quality

All power harrows are made in Germany. You are always prepared because it is nearly all maintenance free. The tines can therefore be exchange quickly. Special emphasis has been **given to reliability** and a strong trough design.

*Power up – solo or in combination*



# POWER HARROWS VERSATILE, SOLO AND IN COMBINATION



### Rigid Power Harrow M series

The M-series is a medium sized power harrow for tractors up to 140 hp. The self-supporting trough construction and conical bearings offer optimum performance.



### Rigid Power Harrow H series

The H-series for tractors up to 180 hp is the perfect choice for medium farms and contractors for seedbed preparation or in combination with a seeder.



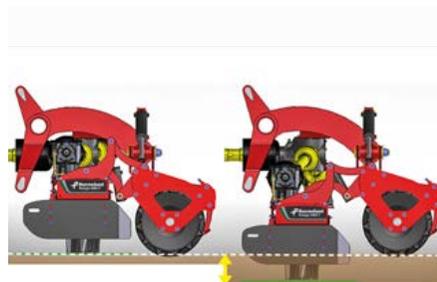
### Rigid Power harrow S series

The S-series with Quick-Fit tines has been designed for use on tractors up to 250 hp. The headstock with its outstanding stability ensures long lifetime.



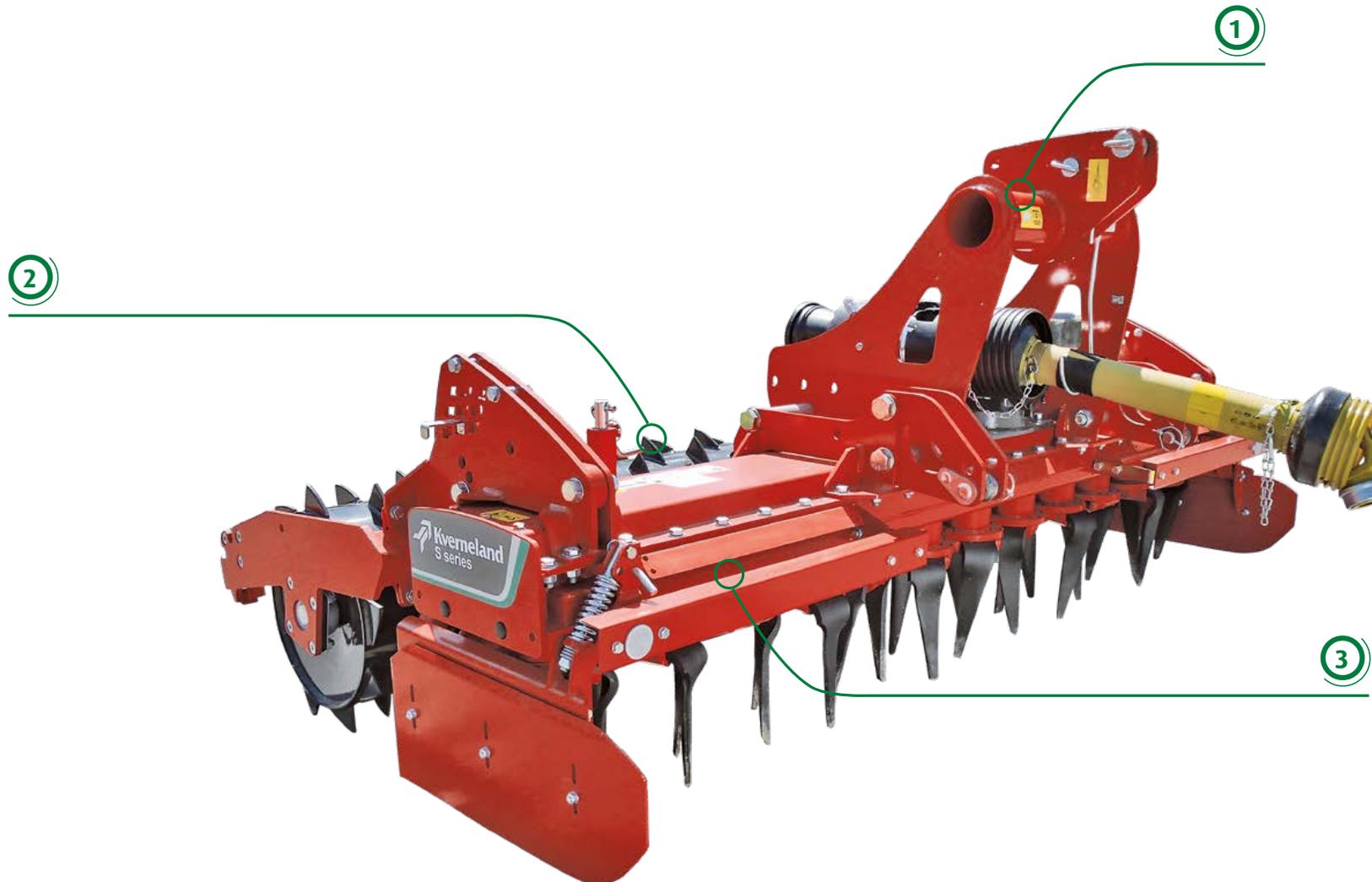
### Fold Power harrow Rotago F

The Rotago F is available as basic or ISOBUS implement and has a special concept with pushed gear case and levelling bar to set the depths independent of 3-point linkage and rear roller. This enables adaptation to soil condition on the go.



### XHD Carbide tines (option)

Kverneland's tried and proved heat treatment processes paired with groundbreaking new designed Tungsten Carbide tiles will provide the best weapon against abrasive soils.



**1 Headstock**  
 Robust and reliable headstock for easy connection to all tractors and the attachment of heavy seed drill combinations.

**2 Rear Roller**  
 For a perfect depth control of the coulters and an optimum prepared seedbed the loosened soil is reconsolidated. A wide choice of rollers is available for all conditions.

**3 Heavy-Duty Gear Case Design**  
 The gear case made as sandwich double bending beam is extremely stable against stress. The large clearance between tine holders and gear case bottom allows residue and stones to pass freely.



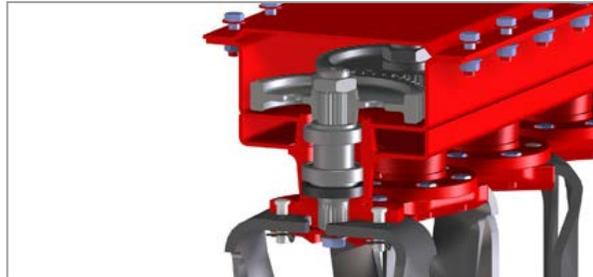
# POWER HARROWS

## SPECIAL FEATURES



### Helical tine positioning

The tine arrangement (4 rotors/m) in defined angle positions prevents damage caused by stones and ensures even levelling. This also reduces peak loads on the driveline.



### Large conical bearings

Two large conical bearings with a wide distance, hardened gears and heavy-duty gear case design provide rigidity and a long lifetime.



### Quick-Fit tines

Each tine is locked in position by a pin and clip. Tines are quickly replaced without tools.



### Track eradicators

Optional tines loosen the tracks of the tractor to ensure perfect seed placement. Track eradicators are available as rigid, shear-bolt and spring-loaded versions.



### Parallelogram guided side deflectors

The side deflectors move up and down, following ground contours. If stones are trapped between deflector and outer rotor, the deflector can open via coil spring overload protection.



### Working depth adjustment

The setting of the working depth is easy and simple by a pin or clips for all types of Kverneland packer rollers or even via hydraulic on the go offered on the Rotago F.

# POWER HARROWS

## TECHNICAL DATA

Model	Frame	Working width (m)	No. of rotors	Rotor clearance (mm)	Tine dimension (mm)	Min. to Max. (HP)	Rear rollers
M-series	rigid	2.5 - 3.0	10 - 12	98.25	12 x 280	70 - 140	Cage roller, Packer roller, Cracker, Actipack, Actiline
H-series	rigid	3.0 - 3.5 - 4.0	12 - 14 - 16	90.5	15 x 315	85 - 180	Cage roller, Packer roller, Cracker, Actipack, Actiline
S-series	rigid	3.0 - 3.5 - 4.0 - 4.5	12 - 14 - 16 - 18	100	18 x 330	100 - 250	Cage roller, Packer roller, Cracker, Actipack, Actiline
Rotago F	fold	4.0 - 4.5 - 5.0 - 6.0	16 - 18 - 20 - 24	90.5	15 x 330	130 - 360	Cage roller, Packer roller, Actipack, Actiline

### REAR ROLLERS FOR ALL CONDITIONS AND REQUIREMENTS



**Actipack**  
ø560 mm



**Actiline roller**  
ø550 mm



**Packer roller**  
ø575 mm



**Cracker roller**  
ø550 mm



**Cage roller**  
ø550 mm



## TILLAGE

Preparing and cultivating your soil in order to achieve the highest possible yield is about choosing the correct tillage system.





# CHOPPERS

## VERSATILE, RELIABLE, EFFICIENT

### The Extensive Range

The extensive range of Kverneland choppers **ensures there is a model to suit every operating requirement.**

### Versatile

Each model **provides great results in a wide variety of** operating conditions.

### Reliable

All models are **solidly constructed with a robust gearbox and reliable “V” belt transmission.** A high strength body with double plating in critical areas **provides further reassurance.**

### Efficient

A combination of precision engineered rotor shafts and hard wearing blades **ensure reliable operation,** while keeping maintenance requirements to a minimum.

*Kverneland choppers offers maximum reliability, efficiency and versatility. This comes from 40 years of experience in building choppers.*



# CHOPPERS FOR ALL CONDITIONS



### FML

The Kverneland FML - the perfect choice for green areas. It is very easy to operate and requires minimal maintenance.



### FHS

The FHS is a compact medium-duty machine suitable for use on slightly rough ground or green areas.



### FHP

Multi purpose and versatile chopper ideal for road maintenance, clearing out field edges, ditches and hedges.



### FHPplus

Due to the possibility of different working angle positions, the FHPplus is a highly versatile solution for road maintenance purposes.



### FRO

Flexible, double headstock chopper, that can be mounted on the front & back of a tractor to clear field edges and roads.



### FRH-FRD

Multi-purpose choppers for chopping grass and stubble. Double headstock allows front or rear mounting of the FRD.



### FXE-FXN-FXZ

This range consists of Kverneland's most robust and powerful grass and straw choppers for heavy-duty tasks.



### FXF

The FXF foldable is particularly suitable for tractors up to 260 hp with high performance rotor for excellent shredding.



**1** **Highly Versatile Operation**  
 Different working positions are possible starting from -65° right through to 90° vertical.

**2** **High Performance Rotor**  
 Large 452 mm diameter rotor and high rotation speed (1,858 rpm) ensure superb cutting quality.

**3** **Transmission**  
 An automatic belt tensioner provides stable rotor speed and requires no maintenance (low operating costs).



# CHOPPERS SPECIAL FEATURES



### Rotor (FHS/FHP/FHPplus)

High performance rotor with fast rotation speed, combined with large number of hammer blades (13 per meter) ensure superb chopping performance in all conditions.



### Transmission (FRO/FRH/FRD)

Central gearbox rated up to 160 hp with an integrated free wheel as standard. The drive pulleys are reversible allowing for operation with either 540 or 1000 rpm input speed.



### Working Depth Control

Kverneland choppers are standard equipped with rear roller of big diameter for effective control of cutting height.



### Universal blades

For use in medium to light conditions.

- Tidying pasture
- Maintaining grassland
- Chopping straw and stubble



### Y blades with middle fan blades

The most versatile solution for all conditions (grass, orchards, straw stubble, pruning, tidying pastures).

- Creates lifting for better cutting
- A must for orchards and pastures



### Hammer blades

For heavy conditions, set aside land with heavy undergrowth, branches.

- Special shape of the hammer creates a suction effect and lifts the material for even cutting
- Excellent for orchards after pruning

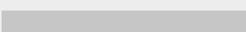
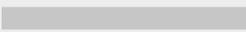
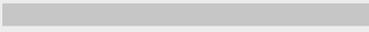
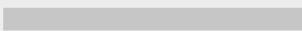
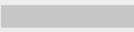
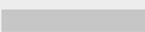
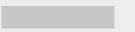
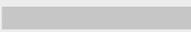


### Cup Blades

- For use in mainly grass land
- Tidying gardens
- For easy and moderate jobs

# CHOPPERS

## TECHNICAL DATA

Usage	Mounting	Model	Horse Power Rate min-max (hp)				Blades vs Crop		
			0	100	200	300	Grass Light	Various Medium	Wood Tuff
Green	Rear compact (gardening)	FML							
Agri	Rear Mounted	FXE							
		FXN							
		FXZ							
	Foldable	FXF							
Multipurpose	Side Pivoting (road maintenance)	FHP							
		FHP Plus							
	Rear	FHS							
		FRH							
	Front & Rear	FRO							
		FRD							



## SOW

Effective sowing means speeding up when the soil is exactly right, in order to give your crop a head start.





## SEED DRILLS & SEEDING COMBINATIONS

### EFFECTIVE SOWING

#### Speed

When the time is right, you want to drill immediately. Only one day is the best. Tomorrow, conditions may be worse. Speed is important. You need a machine that has the **right capacity** to finish the job in time.

#### Flexibility

You want your machine **to be flexible**. Each field has its own soil structure and specific working conditions. So you need a seeding combination that is easy to adjust, preferably from the tractor cab. You don't want to lose **valuable time**.

#### Placement

You want to rely on perfect execution: levelling the soil, preparing the seedbed, re-compacting, placing the seeds accurately and smooth closing. In one single pass. The Kverneland universal seed drills combine capacity, easy adjustment and a **perfect seed placement**.

#### Efficiency

The Kverneland seed drills have been designed with the lowest weight possible and a relatively low pulling force. The seed drills offer high performance and **operator convenience**, to achieve consistently good results - even at high speeds.

*The highest possible efficiency in sowing.  
To give your crop a head start.*



# SEED DRILLS SOLO AND CULTIVATOR MOUNTED DIFFERENT CONCEPTS TO SUIT ALL REQUIREMENTS



**Pneumatic Solo Seed Drill DL**  
The compact one - the DL is the ideal solo drill for small and medium-sized farms.



**Pneumatic Mounted Seed Drill DA**  
The classic pneumatic seed drill for all implement combinations. The easy handling and sturdy yet lightweight design make it extremely attractive.



**Pneumatic Mounted Seed Drill s-drill**  
The s-drill is the heavy-duty version of the DA. It is a high-performance machine for larger farms and estates.



**Pneumatic Mounted Seed Drill e-drill**  
The two models of the e-drill “compact” and “maxi” are extremely operator-friendly. The patented lateral position of the ELDOS ensures ergonomic access.



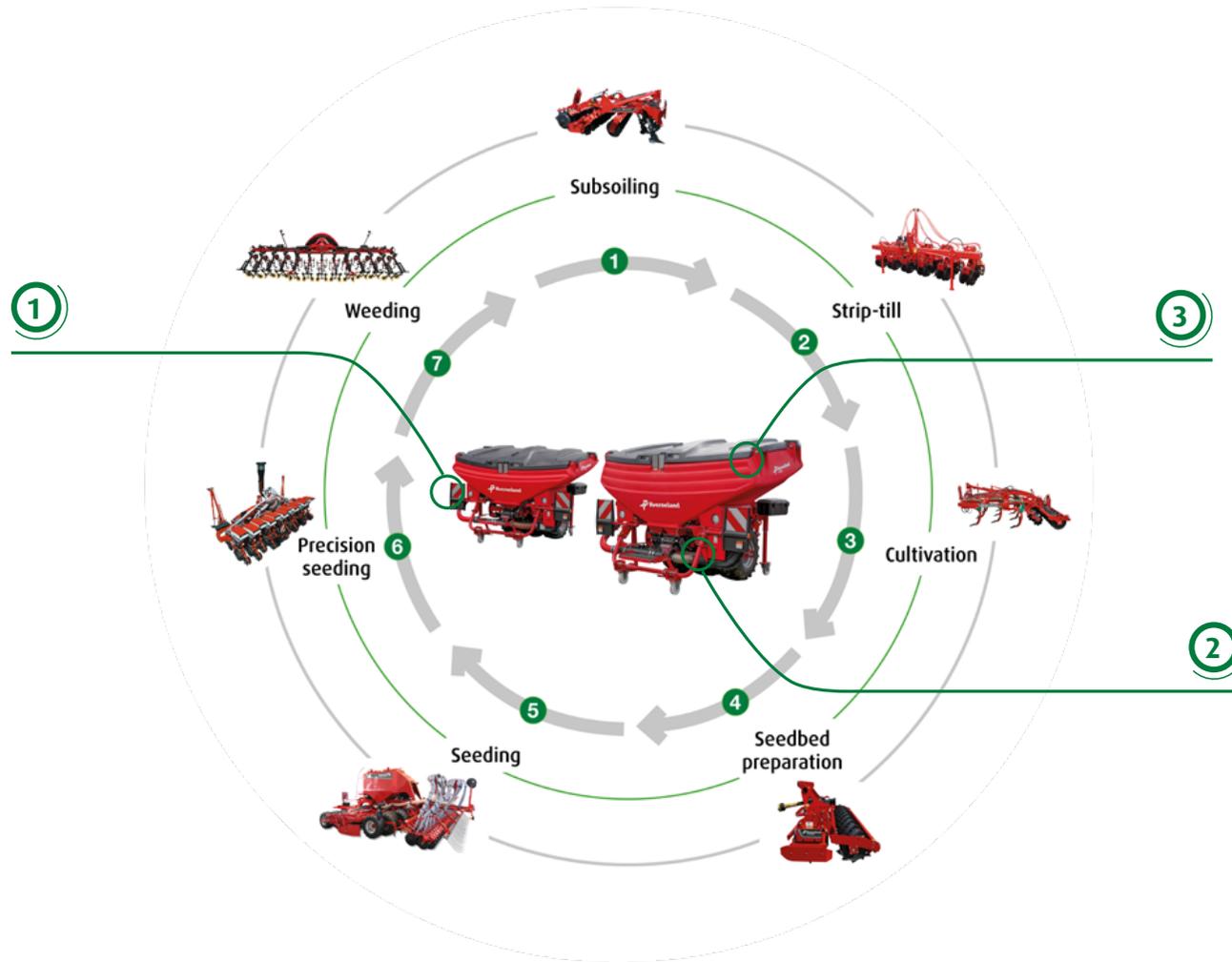
**Pneumatic Mounted Seed Drill e-drill maxi plus**  
Seeding and fertilising in one pass. The hopper capacity of max. 2,100 litres is divided into an adjustable ratio of 60:40, 70:30 or 100:0. With two independently working ELDOS either side.



**Pneumatic Solo Seed Drill DG II**  
DG II - the flagship for up to 140 ha per day! The “Active on” system for individual coulter pressure supports the easy handling and short set-up time! Equipped with the electric driven ELDOS metering system.



**Front hopper f-drill & coulters bar f-drill CB F**  
The ISOBUS controlled front hoppers f-drill compact (1600 L) or f-drill maxi (2200 L) with one ELDOS metering device or two as duo or plus version ensuring high application rates. The f-drill maxi plus enables to applicate two products in one pass. It is the real partner to combine with strip tillage, cultivator, short disc harrow, weeder, power harrow coulters bar or precision drill. In combination it offers even weight balance and maximum flexibility.



**1 Flexibel in combination**  
 Ready to be combined with different implements, multi-crop application for operation in different working widths and farming systems. For seeding, fertlising or combined application.

**2 Self-sufficient and complete**  
 Complete seeder functionality with electric driven ELDOS metering system. Fully ISOBUS compatible. Good weight balance, reduced passes and the right timing are key to avoid any soil compaction and wheeling. In addition, multicropping is supporting biodiversity and protecting the soil.

**3 Efficiency with large capacity**  
 The f-drill with large capacity of 1,600 or 2,200 L ensures a positive load balance and reduce axle loads which increases the maneuverability. Good visibility from cab. A pull-attached and passive self-steered wheel packer consolidates the soil.



# INTEGRATED SEEDING COMBINATIONS & TINE SEEDERS OPERATOR-FRIENDLY AND VERSATILE



## u-drill 3001 & 4001 (rigid) / u-drill 4001 (fold) / u-drill 6001 (fold)

The u-drill combines 5 steps in one single pass. Perfect preparation, levelling and recompaction of the seedbed and finally placing and pressing of the seeds. The u-drills operate at high forward speeds of up to 18 km/h, whilst maintaining a consistent working depth. The seeding depth, coulter pressure and working depth of the disc section can be centrally controlled like the whole machine via ISOBUS. The ELDOS metering device with 5 rotors ensure optimal seed rates.

## u-drill plus (3 m, 4 m & 6 m)

With the u-drill plus version the application of a second component (fertiliser or seeds) via CD double entry coulters or disc harrow section in one pass is possible.



## ts-drill

The ts-drill is the cost-efficient tine seeder which carries out cultivation and sowing in one pass. The mounted tine seeder is designed for regular and extreme conditions whether it is too wet, too dry or too stony.



## IsoMatch (Multi) Eye

With the Multi Eye the operator can see at a glance the seeding process. Up to 4 cameras can be connected to the IsoMatch universal terminals which give full control of the entire machine operation.



**iM**  
FARMING



- 1** **Front wheel Packer**  
The front wheel packer reduces compaction due to larger tyre surface and therefore better load distribution. The contact pressure and the rolling resistance decrease.

- 2** **Disc Harrow**  
The disc harrow consists of two rows of aggressively pitched conical discs. The high rotation speed ensures excellent cutting quality and seedbed preparation.

- 3** **Offset Tyre Packer - First Pack, then Seed**  
For perfect depth control of the coulters and optimum seed-to-soil contact to achieve best capillary actions.



# PNEUMATIC SEED DRILLS SPECIAL FEATURES



### ELDOS

The electric driven metering device is ISOBUS compatible and self-controlled. The calibration test is done automatically. Seed rates up to 400 kg/ha are possible. ELDOS is ready for GEOCONTROL®.



### CD-Coulter

CD double disc coulters incl. press wheels with a coulters pressure of up to 100 kg can be adjusted centrally from cab. A double entry version allows the application of two sorts of seeds/fertiliser at individual rates in one pass.



### CX-II Coulter

Less pressure and constant sowing depth due to the flat disc profile. The coulters staggering of 445 mm guarantees maximum clearance. A double entry version allows the application of two sorts of seeds/fertiliser at different depths is needed.



### a-drill 200

The a-drill 200 can be combined with the e-drill power-harrow mounted seed drills. This extra hopper with separate metering device will allow to apply an additional sort of seeds or fertiliser all in one pass.



### ts-drill narrow tine

The new narrow tine (option) ensures blockage free operation and provides less soil disturbance and more clearance. The XHD carbide narrow coulters tip offers longer lifetime.



### Clod board (ts-drill, DG II u-drill)

The spring loaded paddles of the clod board are individually mounted to protect against overload and guarantee best levelling.

# PNEUMATIC SEED DRILLS

## TECHNICAL DATA

Model	Frame	Working width (m)	Hopper capacity (l)	Hopper capacity with extension (l)	ELDOS (no.)	Type of disc couler	Row distance (cm)	Weight (kg)	Power requirement (kW)	Accessories
<b>Integrated Seeding combination</b>										
u-drill	trailed	3.0 / 4.0 / 6.0	3,000 / 4,350	-	● (1)	CD	12.5 & 16.7	4,600 - 8,120	70 - 110	Clod board, Soil flow harrow
u-drill plus	trailed	3.0 / 4.0 / 6.0	3,000 / 4,200	-	● (2)	CD / CD double entry	12.5 & 16.7	4,800 - 8,400	70 - 110	Clod board, Soil flow harrow
<b>Tine Seeders</b>										
ts-drill	mounted	4.8 / 5.0 / 5.6 / 6.0	1,350	1,700	● (1)	- (seed tine)	12.5 & 15.0	1,630 - 1,980	75 - 96	Clod board, Narrow tine
<b>Pneumatic seed drill</b>										
DG II	trailed	9.0 / 12.0	6,000	-	● (2)	CD	12.5	6,850 - 7,660	130 - 170	Clod board
e-drill maxi	mounted	3.0 / 3.5 / 4.0	1,600	2,000	● (1)	CX-II	12.5 & 15.0	875 - 1,390	100	Hydraulic sowing depth & couler pressure adjustment, a-drill
e-drill maxi plus	mounted	3.0 / 3.5 / 4.0	2,100	-	● (2)	CX-II double entry	12.5 & 15.0	1,175 - 1,690	100	Hopper segmentation 0:100, 70:30 or 60:40, a-drill
e-drill compact	mounted	3.0 / 3.5 / 4.0	1,100	1,400	● (1)	CX-II	12.5 & 15.0	840 - 1,350	85	Hydraulic sowing depth & couler pressure adjustment, a-drill
s-drill	mounted	3.0 / 3.5 / 4.0	1,050	-	-	CX-II	12.5	618 - 1,300	85	Press wheel
DA	mounted	2.5 / 3.0	750	-	-	CX	12.5	460 - 620	60	Press wheel
DL	mounted	3.0 / 4.0 / 4.5	750	1,000	-	CX	12.5	435 - 560	40	Press wheel
<b>Front hopper</b>										
f-drill compact / f-drill maxi	mounted	-	1,600 / 2,200	-	● (1)	-	-	658 / 678	80 / 130	Wheel packer, Weight kit
f-drill compact duo / f-drill maxi duo	mounted	-	1,600 / 2,200	-	● (2)	-	-	732 / 752	80 / 130	Wheel packer, Weight kit
f-drill maxi plus	mounted	-	2,200 (60:40)	-	● (2)	-	-	767	130	Wheel packer, Weight kit
<b>Couler bar</b>										
f-drill CB	mounted	3.0 / 3.5 / 4.0	-	-	-	CX-II	12.5 & 15	252-498	150 - 250*	PEM, following harrow, hydr. couler pressure
f-drill CB F	mounted	4.0 / 4.5 / 5.0 / 6.0	-	-	-	CX-II	12.5, 15 & 25	1,220 - 1,520	160 - 360*	PEM, following harrow, hydr. couler pressure

\* Different tine spacing possible; depending on working width



## SOW

Effective sowing means speeding up when the soil is exactly right, in order to give your crop a head start.





# PRECISION DRILLS TO MAKE SOWING PERFECT

## Placement

The Optima is **excellent in precise seed placement**. You can be sure that the sowing unit follows the ground contour perfectly and the coulter forms a clean and clear furrow to ensure best seed-to-soil contact. You can seed **perfectly in line** and in relation to each other but also **synchronised** over the complete working width.

## Intelligence

You invest in one of the best equipment for sowing your crop. In return you want the best results and to **increase the yields significantly**. With the Optima you have everything under control by ISOBUS Technology and the Kverneland's Precision Farming solutions.

## Versatility

You want a precision drill that is **versatile**. Ready for the various crops with smaller or bigger seeds, to sow shallow or deep. Ready to adjust to the various ways of tillage, standard or mulch seeding in different type of soils. Universal machines allow **cost savings**.

## Efficiency

When the time is right, you want to sow immediately. The soil has to be prepared with care and the moment of sowing depends on the right conditions, like local weather. To be successful you need a precision drill that is **reliable and effective**.



*You can rely  
on a perfect execution*



## PUDAMA

# 25% LESS STARTER FERTILISER 100% YIELD

### Farmer challenges

The costs for fertiliser have risen exponentially and resources are limited. Still, healthy plant growth is the basis for our customers' yield and profit, as well as for a safe food production. At the same time, the protection of the environment has become a key topic of today's agriculture. Due to the risk of contaminated groundwater and local over-fertilisation with organic fertilisers, recent European regulations, rules and policies have defined new standards and reduced the kinds of components allowed. Moreover, society's acceptance for fertiliser and crop care products has decreased.

### Precision and efficiency

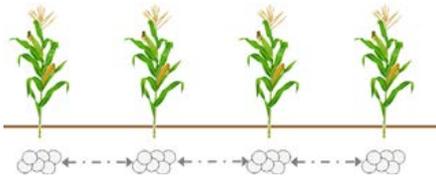
Apply fertiliser more precisely, efficiently at the right time and only where the plant can reach it and only as much as needed. Synchronised with the seed application at high speeds, a cloud of fertiliser is placed next to each maize corn to give young plants the best start conditions for optimum root development, rapid growth and good plant health. Every seed has an optimal fertiliser depot at its disposal, no fertiliser is wasted or washed out.

### Kverneland PUDAMA system

The PUDAMA system ensures the reduction of at least 25% of starter fertiliser compared with the continuous application of fertiliser - whilst maintaining 100% yield. The PUDAMA system has been incorporated in the Optima TFprofi and Optima F with SX high speed row, offering reliability by high expertise in precision drills and proven machinery - proven by independent results from Universities.

*Selective mechanical weeding  
under any conditions*





**PUDAMA FERTILISER SPOTS**





# PRECISION DRILLS (PNEUMATIC) PROVEN FRAME CONCEPTS TO SUIT ALL REQUIREMENTS



### Miniair Nova (vegetable)

For all sorts of vegetable seeds. Made to ensure highly accurate seed placement.



### Optima R (rigid)

Light rigid frames from 3.0 to 6.0 m for different row types like standard, tandem, HD-II and SX rows.



### Optima V (variable)

The variable telescopic frame for various crops and row widths (33 to 80 cm) for farmers and contractors. With HD-II or SX row.



### Optima F (parallel hydraulic folding)

Designed for high output and quick exchange between road and field. Effective in combination with front hopper.



### Optima TFprofi (trailed)

Reduced tractor power requirement and large hopper capacity for maximum operating efficiency. The Optima TFprofi is available with HD-II and SX sowing units. An optional central seed hopper of 870 L together with SX rows increases the performance and reduces the set-up time.



### Optima RS (rigid strong)

The strong frame of the Optima RS for high performance with lengthwise transport device. The 2,000 L fertiliser hopper increases the efficiency.

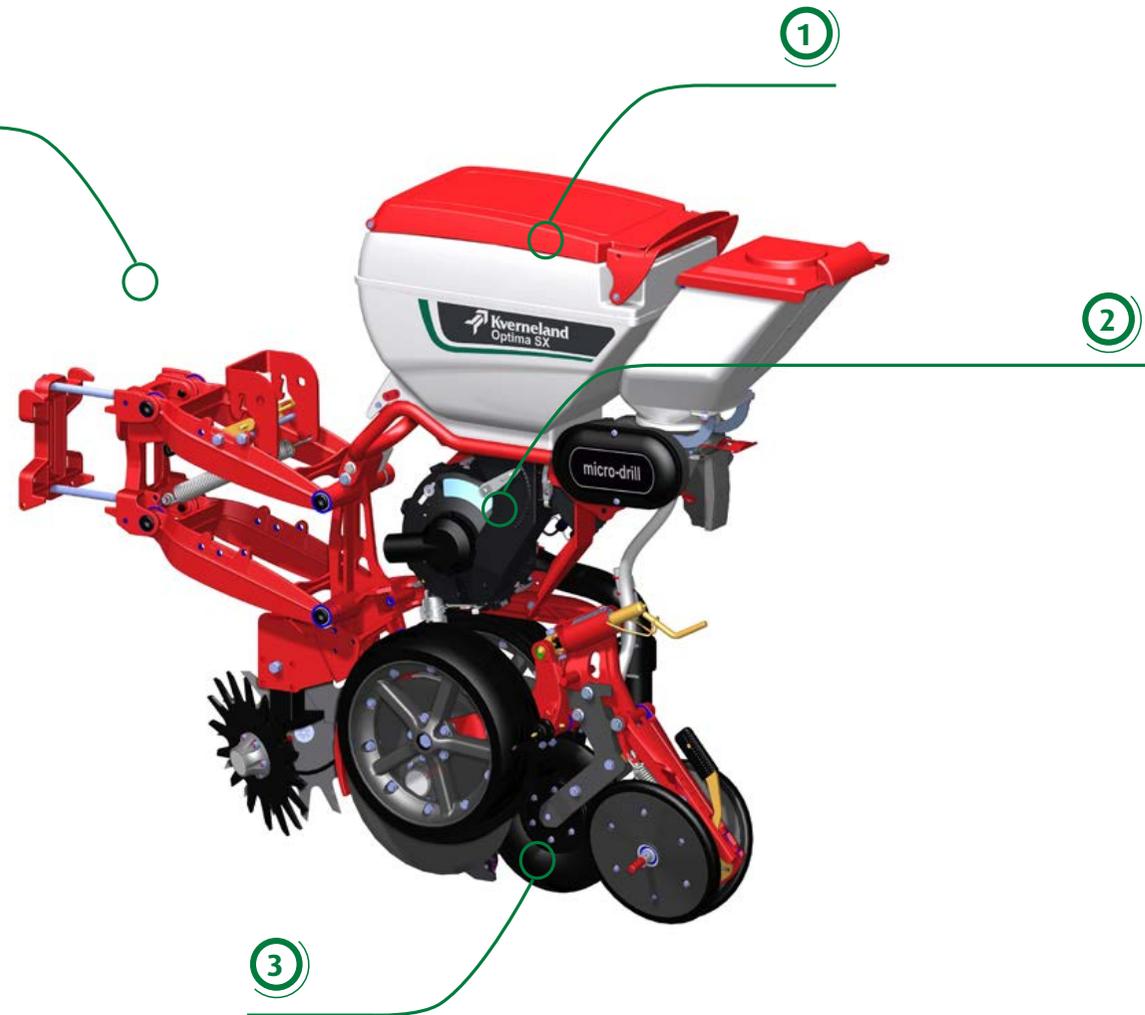


### Optima TFmaxi (trailed)

For high performance with 16 HD-II rows and a 4,000 L capacity fertiliser hopper.



Optima SX



①

**SX - High Speed Sowing Unit**

50% more efficient than the standard row with accurate seed singulation, precise seed placement and higher working speeds of up to 18 km/h.

②

**SX - Pressurised Seeding Heart**

Seeds are "shot" by an airstream of up to 70 kph into the furrow. Without seals - no friction, no wear, no generator. All GEOSEED®-functions possible.

③

**SX - Flexible Intermediate Press Wheel**

The SX intermediate press wheel catches and protects the delicate seeds. Negative impact e.g. vibration between release point and soil contact is eliminated due to the high air stream.



# PRECISION DRILLS (MECHANICAL) RIGID OR FOLDABLE, ALWAYS THE RIGHT CHOICE



**Unicorn rigid (3 m, 6 m, 9 m & 12 m)**  
Straight forward for smaller and larger fields. From 6.0 m available with lengthwise transport device. Equipped with 6 to 24 rows.



**Unicorn PH (6 m & 9 m)**  
Easy conversion from transport to working position. The transport width of all models is a maximum of 3.0 m.



**Monopill rigid (3 m, 6 m, 9 m & 12 m)**  
Designed for high output and quick exchange between road and field. From 6.0 m, available with lengthwise transport device.



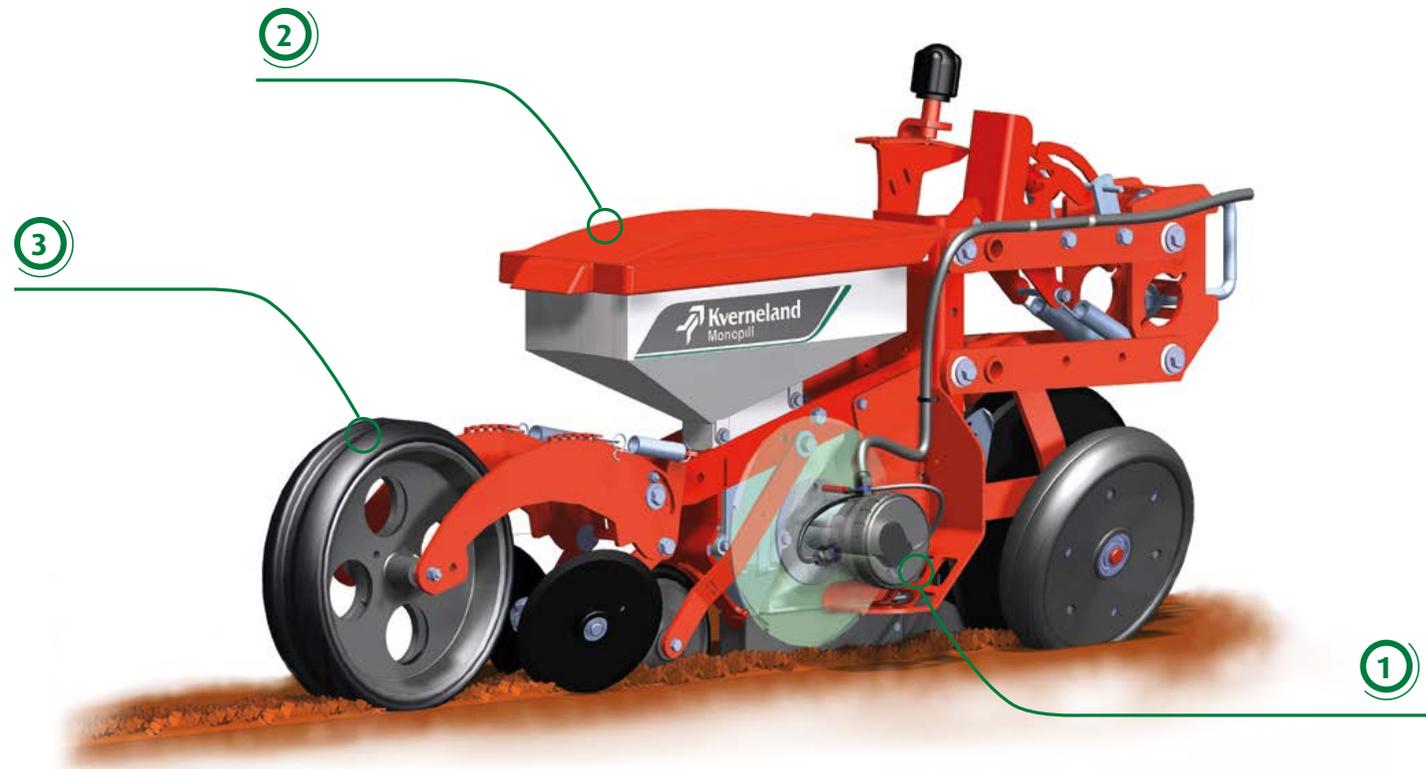
**Monopill PH (6 m & 9 m)**  
The convenient and time saving parallel hydraulic folding ensures a transport width of a maximum of 3.0 m.



### Unicorn row

Optimal depth guidance is the prerequisite for precise sowing. The Unicorn sowing row can be used for both conventional as well as conservation sowing without any modifications. Besides sugar beet, the Unicorn can also be used for sowing rape and chicory.

*Unicorn e-drive II is fully ISOBUS compatible and ready for GEOCONTROL® and GEOSEED®*



①

#### Electric Drive: e-drive II

Precise placement due to low drop height (3 cm) and electric drive of the seeding heart. Offers perfect seed distribution in parallel and diamond pattern - GEOCONTROL® and GEOSEED®.

②

#### Seed Hopper

9 L seed hopper for approx. 1.5 packages of sugar beet seeds with large opening for easy filling.

③

#### Press Wheel

For the optimal seed-to-soil contact. Monoflex press wheel (standard) for various soil conditions Finger press wheel (optional) for heavy dry soil and soils susceptible to late frost.



# PRECISION DRILLS SPECIAL FEATURES



### Double throated cutting disc (Monopill & Unicorn)

In order to cleanly cut through surface residues, the Monopill/Unicorn operates with a double cutting disc and side zero pressure tyres. No hair-pinning, no diving, just simple cutting.



### Electro-hydraulic drive

With the electro-hydraulic drive the fertiliser dosing is smooth and a stepless adjustment of the fertiliser rate ensures a precise dosing from cab. In addition variable rate application is possible.



### Rape Kit (Optima)

Sowing rape with your precision drill enhances the range of application and improves the return of investment. Test results have shown a high germination rate of precision-drilled rape, especially in difficult soil conditions.



### Microgranule applicator micro-drill

Micro nutrient and also small amounts of insecticides or fungicides ensure the best start of the crop. For this micro granule applicator are mounted as backpack behind the individual sowing units (Optima) or as an add-on solution for Monopill and Unicorn with 3 outlets.



### IsoMatch GEOCONTROL®

Each electric driven sowing row, in combination with GPS and IsoMatch GEOCONTROL®, is automatically switched on or off in exactly the right place, ensuring there is no overlap with any row that has already been sown.



### GEOSEED®

GEOSEED® is the synchronisation of seed placement within the working width and over the whole field. Positive effects are the best use of nutrients, water and sun. Wind and water erosion is decreased.

# PRECISION DRILLS

## TECHNICAL DATA

Model	Frame	Working width (m)	Transport width (m)	No. rows*	Row spacing (cm)*	Seed Hopper capacity (l)	Fertiliser Hoppr capacity (l)	e-drive II (GEOSEED®)	Row type
<b>Precision Drill Pneumatic</b>									
Miniair Nova	rigid / fold	2.5 - 6.5	3.0	10 - 32	5 - 11 / 11 - 24	4	-	-	Single, Double, Twin
Optima R	rigid	3.0 - 6.0	3.0 - 6.0	2 - 8	35 - 80	30 / 60	1,000	○	Standard, Tandem, HD-II, SX
Optima V	variable	2.7 - 4.8	3.0	6 - 8	45 - 80	30 / 60	1,000	●	HD-II, SX
Optima F	parallel hydr. fold	6.0	3.0	8 - 16	37.5 - 80	30 / 60	1,125	●	HD-II, SX, PUDAMA
Optima TFprofi	trailed	6.0	3.0	8	70 - 80	30 / 60 or 870 L	2,000	●	HD-II, SX, PUDAMA
Optima RS	rigid	6.3 - 9.3	3.0	8 - 18	37.5 - 80	30 / 60	2,000	○	Standard, Tandem, HD-II, SX
Optima TFmaxi	trailed	12.0	3.0	16	70 - 80	30 / 60	4,000	- **	HD-II
<b>Precision Drill Mechanic</b>									
Unicorn	rigid	3.0 - 12.0	2.85 - 3.0	6 - 24	45 - 50	9	-	●	Mulch
Unicorn PH 6 m	parallel hydr. fold	6.0	3.0	12	45 - 50	9	-	●	Mulch
Unicorn PH 9 m	parallel hydr. fold	9.0	3.0	18	45 - 50	9	-	●	Mulch
Monopill	rigid	3.0 - 12.0	2.85 - 3.0	6 - 24	45 - 50	9	-	○	Standard, Tandem, Mulch, Tandem Mulch
Monopill PH 6 m	parallel hydr. fold	6.0	3.0	12	45 - 50	9	-	●	Standard, Tandem, Mulch, Tandem Mulch
Monopill PH 9 m	parallel hydr. fold	9.0	3.0	18	45 - 50	9	-	●	Standard, Tandem, Mulch, Tandem Mulch

\* depends on type of row

\*\* e-drive / no GEOSEED® available

*GEOSEED® - the patented 2D-seed placement*



## WEEDING

Efficient weed control is a prerequisite for healthy plant growth as the basis for yield, profit and safe food production.

In addition, the protection of the environment is of rising importance. With the Farm to Fork policy, new standards have been set. Since certain weeds have developed resistance to herbicides, alternatives to chemical weed control are needed.





## MECHANICAL WEEDING FOR HEALTHY CROPS AND ENVIRONMENT

### Sustainability

The **climate changes** and farmers are often faced with draught resulting in hard soil surface with limited water reserve or slaking crusts after heavy rain falls or sun. Therefore, there is a strong need of sustainability to **restore water** and **air flow** and to **protect the soil moisture, improving the nutrients supply** of the roots. By surface capping the upper topsoil, breaking the capped surface on certain soils after rain, it restores the water and air flow, supports mineralisation, stimulating physico-chemical reactions and soil life. By creating a **weatherproof layer stopping the capillary rising of water** to the surface, it also increases the water reserve.

### Precision

Different crops and growth level needs a **quick adaptation** and implement configuration. A precise management must be set up in order to work as aggressively as necessary with maximum performance and output. The **Double-H shaped beam** offers a maximal sturdiness and an **even depth and pressure control** is ensured over the entire working width. Low lifting requirement reduces soil compaction.

### Versatility

The Kverneland weeding implements work in case of resistance and can be used in row crops and cereals or even in pre-emergence fields. It will be strong in weed control but **gentle to the crops**. Penetration of the soil and an even depth control are challenging. Moreover, changing soil conditions request versatility by adjustable tools and a wide choice of accessories.

*Selective mechanical weeding  
under any conditions*



## WEEDING EQUIPMENT SUSTAINABILITY



### Rotary hoes Helios

The rotary hoe, Helios, with star wheels carries out selective weeding efficiently at 6 to 18 km/h with low impact on the growing crop but conditioning the soil to promote seed emergence and crop development.



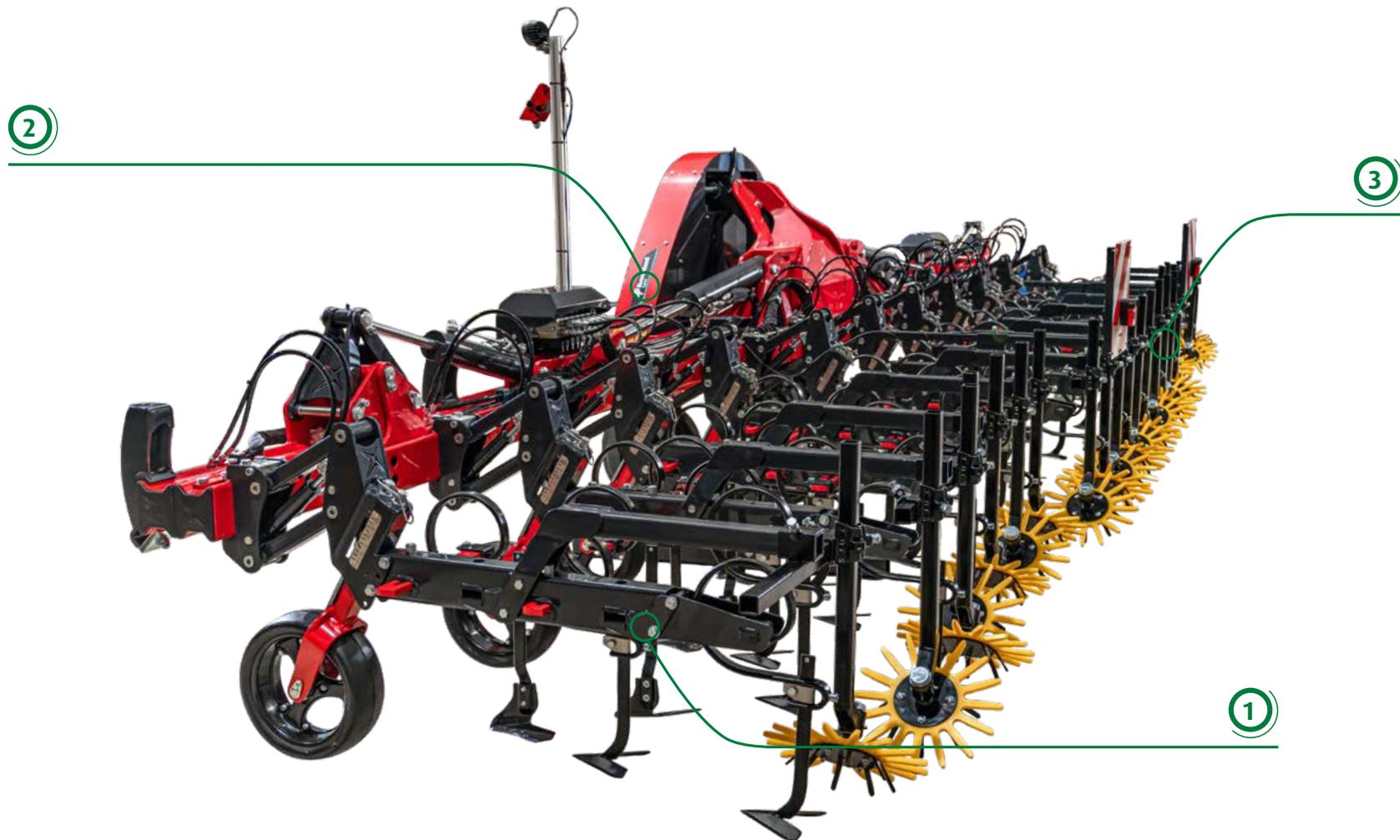
### Inter-row cultivators Onyx

The inter-row tine cultivators, Onyx for effective weeding in row crops and cereals which can be equipped a wide range of tines and shares and the guidance interfaces, Lynx.



### Guidance interfaces Lynx 2000 & 3000

Kverneland is offering two side-shift models suitable for various tractors and implement sizes. A camera and special row sensors/feelers support the steering.



1

#### Frame and inter-row element

Due to the universal frame concept, high flexibility in row spacing from 12.5 to 80 cm, wide choice of accessories and electronic components the Onyx is ready for different farming systems.

2

#### Lynx with camera system

The guidance interface with camera system ensures absolute accuracy in the row. Thanks to the lateral movement of up to 25 cm and the virtual re-alignment, especially in hilly conditions or curved seed lines allow efficient weed control.

3

#### ISOBUS & GPS GEOCONTROL

Each weeding element with hydraulic control is automatically lifted or unlifted due to the Automatic Lifting System in exactly the right place.



# WEEDING EQUIPMENT SPECIAL FEATURES



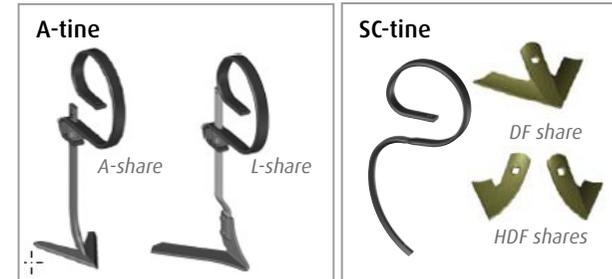
### Onyx inter-row element

The parallelograms with conical pins and hardened polymer bushings for high stability and accuracy. The X-CONTROL pre-loaded, spring-system for individual load transfer eliminates any play or bouncing of the element.



### Double-H frame (Onyx & Helios)

The Double-H shaped beam offers a maximal sturdiness and allows a firm fixation of the weeding elements. In addition, it increases the penetration force by transferring the load to the tines and shares.



### Tines and Shares (Onyx)

Adjustable A-tines or semi-curved vibrating SC-tines with different shares protect the plant while suffocate and scalping the weeds as close to the crops as possible, maintaining soil moisture and moving less soil as required.



### Soft control system (Helios)

The HELIOS can be equipped either with spring or hydraulic "Soft control" pressure overload protection to ensure a constant working depth over the entire width.



### Tandem star wheel (Helios)

The cast-iron steel, ground-driven star wheels excel by the special back-ofspoon design. Lifts the weeds particularly whilst being gentle to the crop.



### Following harrow (Helios & Onyx)

Supports the weed control as it uncover and pulls the uprooted weeds out, leaving them on soil surface to dry out. Adjustable in depth and aggressiveness.



# ROTARY HOES & INTER-ROW CULTIVATORS

## TECHNICAL DATA

Model	Working	Frame	Linkage	Number of stars (no.)	Star wheel pressure adjustment	Spacing (mm)		Tines & shares*	Min. power requirement (hp)	Weight (kg)	Specification
	Width (m)					Star	Row				

**Rotary hoes**

Helios 2000	3.06	-	CAT. II	34	Mech. or hydr. "Soft-Control"	90	-	-	80	1,150	Finger harrow, Gauge wheel
Helios 2000 F	4.80 - 6.40	-	CAT. II	52 - 72		90	-	-	100 - 130	1,800 - 2,300	Finger harrow, Gauge wheel

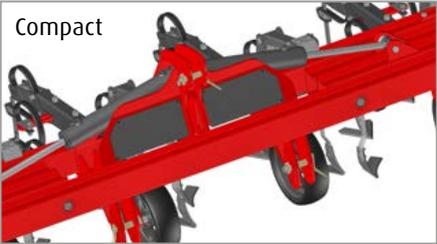
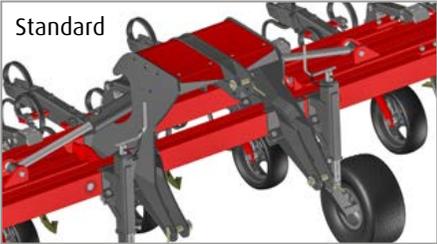
**Inter-row Cultivators**

Onyx 2000	-	2.84 - 3.08	Standard CAT. II	-	-	-	45 - 50 - 60 - 70 - 75 - 76.2 - 80	A-tine with A and L-shares OR SC-tine with DF and HDF shares	60	750**	X-CONTROL, mechanical parallelogram
Onyx 2000 F	-	4.80 - 7.70		-	-	-	-		100 - 120	1,150 - 1,585**	X-CONTROL, mechanical parallelogram
Onyx 3000	-	2.84 - 3.08	Compact CAT. II	-	-	-	12.5 - 15 - 16.6 - 20 - 25 - 30 - 37.5 - 40 - 45 - 50 - 60 - 70 - 75 - 76.2 - 80		60	780**	X-CONTROL, mech. & hydr. parallelogram
Onyx 3000 F	-	4.80 - 7.70		-	-	-	-		100 - 120	1,210 - 1,800**	X-CONTROL, mech. & hydr. parallelogram
Onyx 4000 F	-	8.10 - 12.10	Integrated Lynx 3000	-	-	-	-		130 - 150	2,230 - 3,250**	X-CONTROL, mech. & hydr. parallelogram
Onyx 4000 FXL	-	8.10 - 12.10		-	-	-	-		130 - 150	2,290 - 3,310**	X-CONTROL, mech. & hydr. parallelogram

\* A-tine = adjustable straight tine; SC-tine = semi-curved vibrating tine; A-share= flat weeding share; L-share = lateral L-shape share; DF=duck foot share; HDF = half duck foot share left or right version

\*\* Weight of heaviest model without accessories

Model	Lifting capacity (kg)	Linkage		Track width (m)	Lateral movement (mm)	Anchor wheel (mm)	Oil requirement (l/min)	Weight (kg)	Specification
		Lynx	Onyx						
Lynx 2000	1,600	CAT. II	CAT. II	1.50 - 2.30	500 (2x250)	480x150	18	550	Camera, feeler, LED working lights
Lynx 3000	2,800	CAT. II	CAT. III/II	1.50 - 2.00	500 (2x250)	550x180	18	965 - 1,020	Camera, feeler, LED working lights





## SPRAY

Efficient spraying is a decisive factor when securing yield, quality and protection of crops and environment.





# MOUNTED, TRAILED & SELF PROPELLED SPRAYERS

## EVERY CROP DESERVES THE BEST CARE

### Efficiency

When farming means business, efficient management of your crop protection to **secure a profitable harvest** is a decisive factor. Every crop deserves the best care: the right actions at the right moment.

### Productivity

When farming the land you need to respond to specific demands of your crop. Raising **productivity and output** requires more precision in farming. You are facing specific field conditions, that may vary a lot, and weather conditions that could change per hour. Details in timing and execution can have a major impact.

### Precision

High **precision spraying** is an important factor. You want to be sure that the product you apply is perfectly dispersed giving value out of every drop of spray liquid, even at high speed. The job has to be done with **the highest possible efficiency**. You want to cut back waste, reduce input costs and minimise the impact on the environment.

*Every crop deserves the best care*





## FRONT MOUNTED SPRAYER IN FRONT OF A GOOD START



### iXtra LiFe

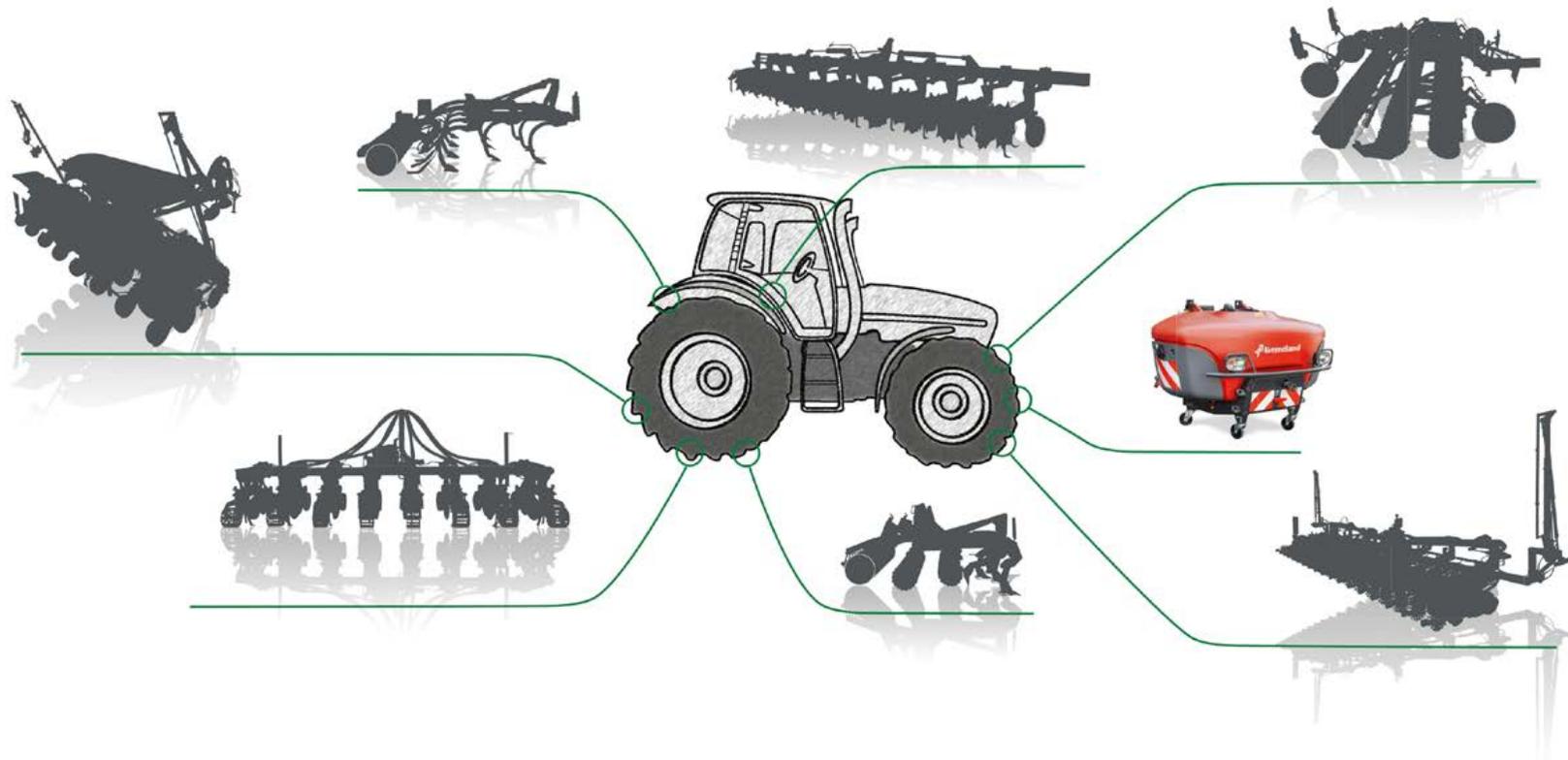
The iXtra LiFe is not only a front tank to apply liquid fertiliser in combination with a seeder, but has evolved into an universal row crop sprayer. It is an ISOBUS implement for row application for all kind of liquids. The iXtra LiFe has it's own sprayer pump, pressure regulator, electronics and section valves, so it can work stand alone or together with other implements like seeders, planters, hoes and cultivators.

*Combine 2 tasks in 1 pass*



### IsoMatch InLine

Increase user comfort by the IsoMatch InLine, which is mounted in the line of sight. You can easily see the distance from the A-B line and in which direction you should steer for the ideal position.



## The combination that gives more strength to your crop

1

### Large Capacity

With a tank volume of 1,100 litres of liquid fertiliser the iXtra LiFe is well balanced and gives an equal weight distribution with 65 litre clean water on both sides of the front tank.

2

### Compact and Complete

Complete sprayer functionality "without" boom: integrated electronics, pressure regulator, section valves and cleaning system.

3

### ISOBUS Electronics

Up to 18 individual sections combined with electric driven seeding rows on the seed drills and planters ensure an exact row switching without overlap on both seeds and fertiliser. The IsoMatch Tellus with IsoMatch GEOCONTROL® with GPS control row by row automatically for optimal driver comfort.



# MOUNTED SPRAYERS

## OPTIMISE PRECISION AND COMFORT



### iXter A

A mounted sprayer, with a low weight, close gravity point to the tractor and easy to operate at the same time. Tank volumes from 800-1,200 litres and spray booms from 12-21 metres.



### iXter B

The iXter B sprayer range is designed with focus on ease of use, intelligent electronics and environmental protection. Tank volumes from 1,000-1,800 litres and booms from 15-30 metres.



### iXtra Front Tank

The innovative iXtra front tank (1,100 litres), in combination with the iXter B, offers much more than just extra tank volume. Available as manual or electrical version.

*To suit different field conditions*



### IsoMatch Eye

Get the full overview from four different angles. IsoMatch Eye increases safety when reversing the machine or maneuvering around the obstacles, especially with the iXtra from tank.



ISOBUS compatibility

1

#### ENFO Inside®

This technology optimises filling and cleaning of the spray lines. Standard on all Kverneland spray computers.

2

#### TwinFill

An automatic filling program to fill the front and rear tank in one go. The software takes care that the spray liquid is split and transferred to the front and rear tank with the correct volume and equal concentration.

3

#### Multi-Tank-Management

The Multi-tank-management strategy with independent filling offers you the possibility to work with two separate spray tanks or cleverly, as one large sprayer with automatic balancing of tank contents.



# TRAILED SPRAYERS TO GROW THE BEST CROPS



### iXtrack T3

The iXtrack T3 offers tank sizes of 2,600 or 3,200 litres in combination with spray booms from 18 up to 30 metres.



### iXtrack T4

Tank volumes of 3,400 - 4,600 litres. Aluminium booms from 21-33 metres and steel booms up to 40 metres are possible. Now also possible in combination with the vertically folded HC boom up to 30 metres.



### iXtrack T6

The iXtrack T6 is entering a new market segment with 7,600 litres maximum tank capacity and booms up to 40 metres. For maximum performance and productivity.

*For farmers, made by farmers*



### IsoMatch Grip

This ISOBUS joystick is made for great operator comfort and efficient machine control. This simple to use auxiliary device is made for easy control of your sprayer!



1

#### ENFO Inside®

This technology optimises filling and cleaning of the spray lines. Standard on all Kverneland spray computers.

2

#### Spray Booms

Different possibilities in spray booms to suit farmers requirements. Now also possible with the vertically folding HC boom which offers multiple folding options for difficult field shapes and conditions. Obstacles in the field are no problem or special crop types are sprayed easily.

3

#### ISOBUS Compatibility

Connect yourself easily to your machine with IsoMatch FarmCentre. The iXtrack T series is ISOBUS compatible as standard.

4

#### IsoMatch FarmCentre

Stay fully up to date on what is happening on your farm, by controlling your sprayer and track analysing this parameters remotely. IsoMatch FarmCentre improves efficiency and saves time.



# SELF PROPELLED SPRAYERS

## EVERY DROPLET IN THE CORRECT PLACE



### **iXdrive S6**

Designed with focus on operator comfort and environmental protection. HSS steel booms or HSA aluminium booms available. Standard equipped with iXclean Pro, iXflow<sup>®</sup> circulation system, Boom Guide Pro spray height control system, IsoMatch Tellus PRO and IsoMatch GEOCONTROL<sup>®</sup>.



### **HSA 24-30 metres**

HSA aluminium boom ranging from 24-30 metres fit on the iXdrive.



### **HSS 24-40 metres**

HSS steel booms from 24 up to 40 metres are available.

*Your next drive into precision spraying*



IsoMatch Tellus PRO is a universal terminal with the capability to view and operate two different ISOBUS interfaces at once.

1

#### ixflex

A hydraulic ground clearance adjustment for a low centre of gravity with high speed on the road and a high and clean chassis clearance especially for high crop spraying applications, to minimise crop damage.

2

#### ixflow-E® Recirculation System

This spray line recirculation system with electric nozzle control. There is a free circulation of chemicals with a return of spray liquid back to the tank as spraying stops. This means there is no sedimentation in the spray lines and no dead ends for spraying or cleaning.

3

#### ixclean® Pro

Fully automatic control from the cab or the fill station. It means all functions can be controlled from the cab. Switching between filling, agitation, spraying, diluting, priming, rinsing and tank cleaning, is extremely easy: just push the button!



# MOUNTED, TRAILED & SELF PROPELLED SPRAYERS SPECIAL FEATURES



### iXclean®

Automatic filling with iXclean® Comfort or iXclean® Pro, with fully automatic, electric valve management on ISOBUS compatible sprayers.



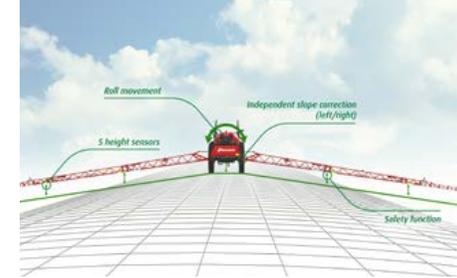
### ixflow-E® Recirculation System

Spray line recirculation with (electric) nozzle control. Free circulation of chemicals. No sedimentation in the spray lines and no dead ends for spraying or cleaning.



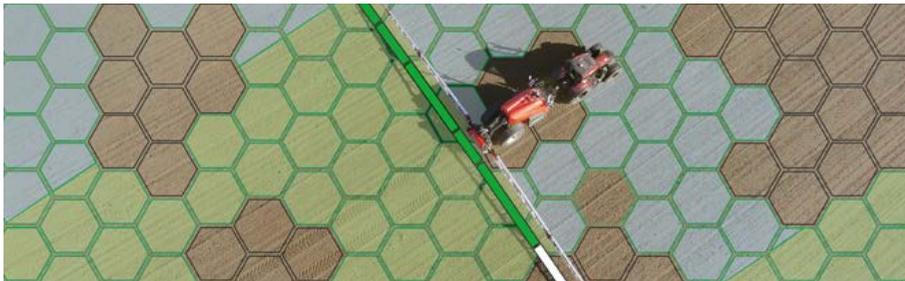
### IsoMatch GEOCONTROL®

Easy operation and driver comfort due to the automatic implement control. More efficient work and avoiding overlap leads to cost savings.



### Boom Guide

Ultrasonic sensors help to maintain the chosen spraying height and guides the boom in the most challenging field conditions.



### SpotSpray

The SpotSpray application is based on prescription maps with zero application rates. Based on a predefined prescription map, that can be made in a similar way as the VRA map, the sprayer shuts on and off. This is done based on the predefined sections in the control terminal and can even be done with normal section valves on the sprayer. Only designated spots are sprayed, which is particularly helpful when targeting weed spots, thistles, wet areas, non-germinated areas and areas with soil problems. SpotSpray is possible via a license on the IsoMatch Tellus terminal.



# MOUNTED, TRAILED & SELF PROPELLED SPRAYERS

## TECHNICAL DATA

Model	Nominal tank capacity (l)	Booms (m)	Controls
<b>Mounted Sprayers</b>			
iXter A	800 - 1,000 - 1,200	HOSA 12-15 / HC 18-21	iM Tellus GO+ - iM Tellus PRO
iXter B	1,000 - 1,300 - 1,600 - 1,800	HOSA 15 / HC 18-30	iM Tellus GO+ - iM Tellus PRO
iXtra Comfort or Pro	1,100	-	iM Tellus GO+ - iM Tellus PRO
iXtra LiFe	1,100	-	iM Tellus GO+ - iM Tellus PRO
<b>Trailed Sprayers</b>			
iXtrack T3	2,600 - 3,200	HSS 18 -30 / HSA 21-24	iM Tellus GO+ - iM Tellus PRO
iXtrack T4	3,400 - 4,000 - 4,600	HSS 18-40 (30/24 and 36/24) / HSA 21-33 / HC 18-30	iM Tellus GO+ - iM Tellus PRO
iXtrack T6	6,400 - 7,600	HSS 18-40 / HSA 21-33	iM Tellus GO+ - iM Tellus PRO
<b>Self propelled Sprayers</b>			
iXdrive S6	4,250 - 5,150 - 6,150	HSS 24-40 / HSA 24-30	iM Tellus PRO



## SPREAD

Optimal spreading of fertiliser means using the exact amount of nutrition and avoiding overlap and waste.





# DISC SPREADERS

## MAKING SPREADING EASY AND COST EFFECTIVE

### Efficiency

Efficient management of your crop to **secure a profitable harvest** is a decisive factor when farming means business. It is important to take the right actions at the **right moment** to achieve the **highest quality**. With the Kverneland disc spreader range you make spreading easy and cost effective.

### Intelligence

You invest in the best equipment for spreading your fields. You want to get the best yield from your crop. With a Kverneland weighing spreader you invest in 100% ISOBUS compatibility and Kverneland's iM FARMING solutions for **intelligent spreading**.

### Productivity

When farming the land you need to respond to specific demands of your crop. **Increasing productivity and output** requires more precision in farming. You are facing specific field conditions, that may vary a lot, and weather conditions that could change every hour. Details of timing and execution can have a major impact on your output and business.

### Precision

Spreading is all about precision. You want to be sure that the product which applied is perfectly dispersed giving value from every fertiliser granule, even at high speed. The job has to be done with the highest possible efficiency. You want to cut back waste, **reduce costs and minimise the impact on the environment**.



*Every crop deserves the best care*



# DISC SPREADERS A SOLUTION FOR EVERY SITUATION



**Exacta-EL**  
Compact, fits behind every tractor. The fertiliser is treated gentle and will be spread in a triangular pattern.



**Exacta-CL**  
Medium in size and volume and comes with the CentreFlow system with 8 vanes as standard.



**Exacta-HL**  
Ideal spreader for high productivity with volumes up to 3,900 litres.



**Exacta-CL EW**  
An ISOBUS compatible weighing spreader with speed related spreading and high frequency automatic calibration.



**Exacta-CL W PRO**  
For precise spreading in hilly conditions. The heavy duty frame of the Exacta CL W PRO includes four load cells and reference sensor.



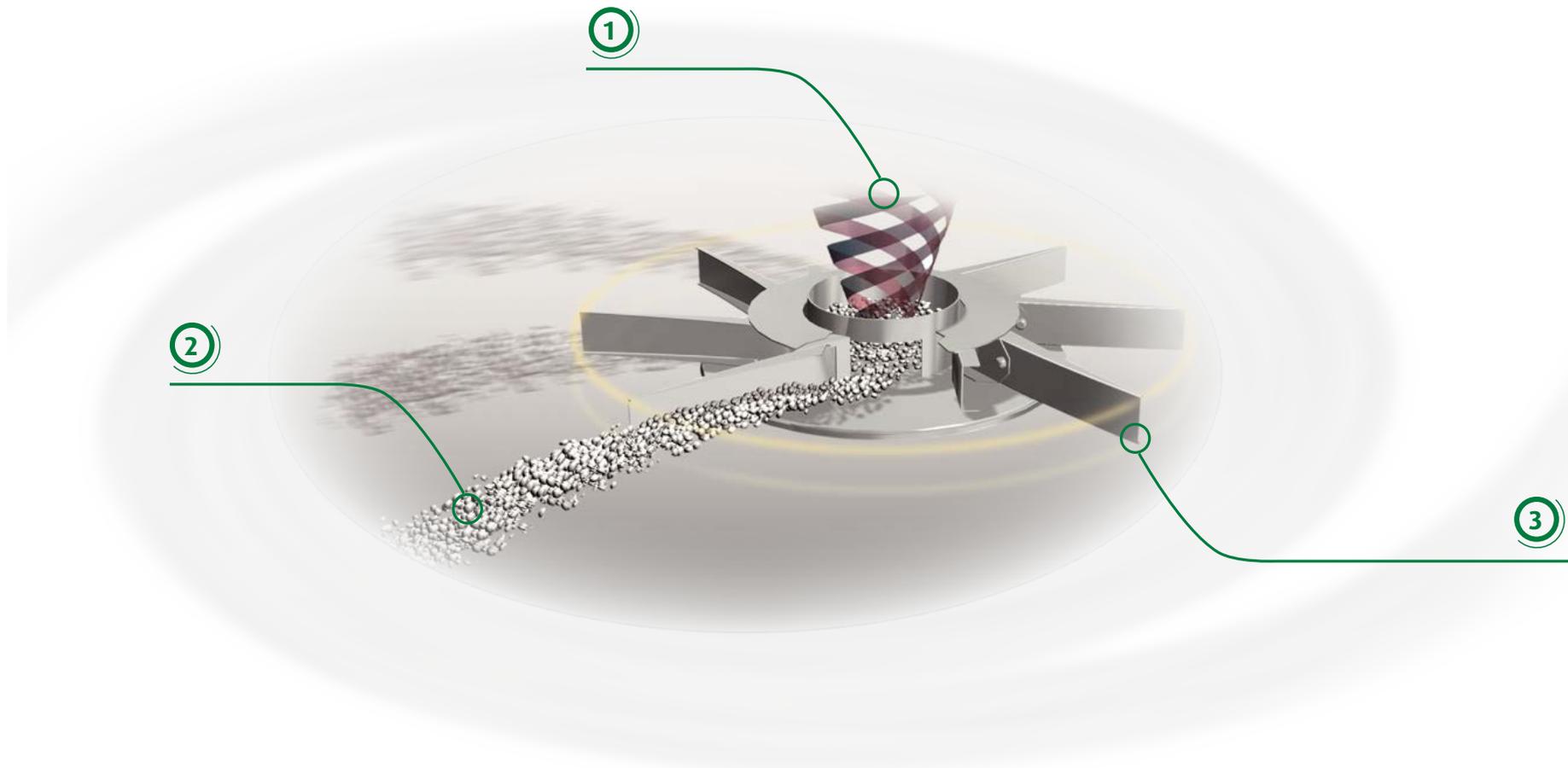
**Exacta-TL**  
The weighing system with automatic calibration helps to prevent over and under dosing which will result in better yield.



**Exacta-CL/TL/TLX GEOSPREAD®**  
Unnecessary overlap is set to a minimum, because of section control. The total benefit of GEOSPREAD® combined with speed related spreading and GEOPPOINT® headland management can be up to 15%. The GEOSPREAD system does section control with sections of only 1 metre.



**Exacta-TL/TLX GEOSPREAD® iDC**  
iDC means intelligent Disc Control. Due to the possibility of the independent disc speed left and right this can be used during border spreading. To have a perfect spreading pattern at the border of the field the disc RPM can be decreased on the border side.



### The CentreFlow spreading system

1

#### No Impact, no Fragmentation, no Dust

Due to the stable release point the acceleration of the fertiliser is soft which means no fragmentation, no dust and no negative influence on the spreading pattern.

2

#### Guaranteed Accuracy on Slopes

Kverneland spreaders do not drop of the fertiliser on the vanes, but instead release it from the pre-chamber on the vanes where both have the same speed.

3

#### Accurate Spreading Pattern

The CentreFlow spreading system, with 8 vanes per disc, takes care of a precise spreading pattern with a perfect overlap, even with high flow rates and higher driving speed.



# DISC SPREADERS GEOSPREAD® SYSTEM



### User Interface

A completely new user interface will be available for the GEOSPREAD® iDC spreader model. New features are possible as pre-sets to save different fertiliser types, easy filling mode including limit warning, easier service and diagnostics, and support of a digital electronic spirit level to be able to level the spreader with the hydraulic top link from the tractor cab.



### IsoMatch Global 3

A GPS antenna system with DGPS accuracy (30-50 cm) for the highest precision possible. It brings you manual guidance, automatic section control, variable rate control in combination with IsoMatch GEOCONTROL®.



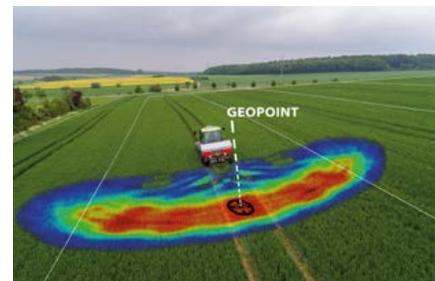
### AutosetApp

With the AutosetApp the GEOSPREAD® spreader will adjust itself, based on the entered settings in the control terminal.



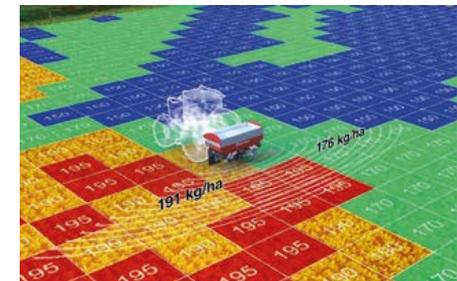
### IsoMatch GEOCONTROL® in Combination with GEOSPREAD®

Smart software for the IsoMatch Tellus GO+ or PRO. Gives access to all modules of precision agriculture; section control, variable rate control, manual guidance, AutosetApp and boundary shrinking are easy to operate from the cab of the tractor.



### GEOPOINT® Headland Management

Prevents over and under-dosing around the headland. The GEOPOINT® will be set automatically when using the AutosetApp.



### MULTIRATE

The Kverneland GEOSPREAD® models are compatible with left/right Variable Rate application. With this optional feature 2, 4, 6 or 8 rates can be applied in one pass.



### Kverneland GEOSPREAD® series – For maximum output

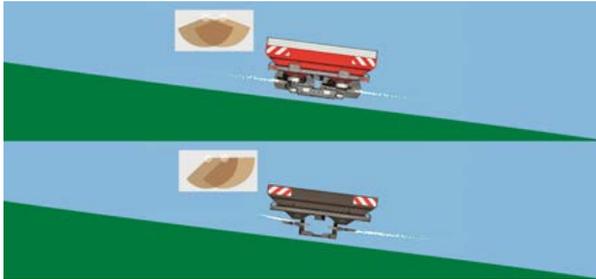
**1** Kverneland GEOSPREAD® models adjust the application rate (kg/ha) to the driving speed of the machine.

**2** Kverneland GEOSPREAD® section control ensures a correct location of fertiliser in the field, which is essential for accurate spreading.

**3** The Kverneland GEOSPREAD® system enables farmers to reduce the spreading pattern in sections of 1 metre with highest accuracy.



# DISC SPREADERS SPECIAL FEATURES



### Perfect Spreading Pattern

8 vanes per disc ensures a consistent overlap in all field conditions.



### Border Spreading Management

Increase profit with the left or right hand-side border spreading system or with the manual or hydraulic border spreading plate.



### Pellet Sieves

Sieve with bigger holes for a better flow of pellets into the hopper, especially helpful for organic types of fertiliser.



### Spreading Charts

Download the spreading charts application on the App Store, Google Play or visit [kvernelandspreadingcharts.com](http://kvernelandspreadingcharts.com).



### Front disc spreader

Two different fertiliser types, with different physical properties, can be applied with a correct setting to have a perfect spreading pattern. The result is an increased yield and cost savings on fertiliser.



### XHD lift vanes

The XHD lift vanes provide a high quality spreading pattern and durability for the farmer. The XHD lift vanes are made out of standard Duplex stainless steel, treated with Chromium carbide coating layer to increase their wearing resistance.



# DISC SPREADERS

## TECHNICAL DATA

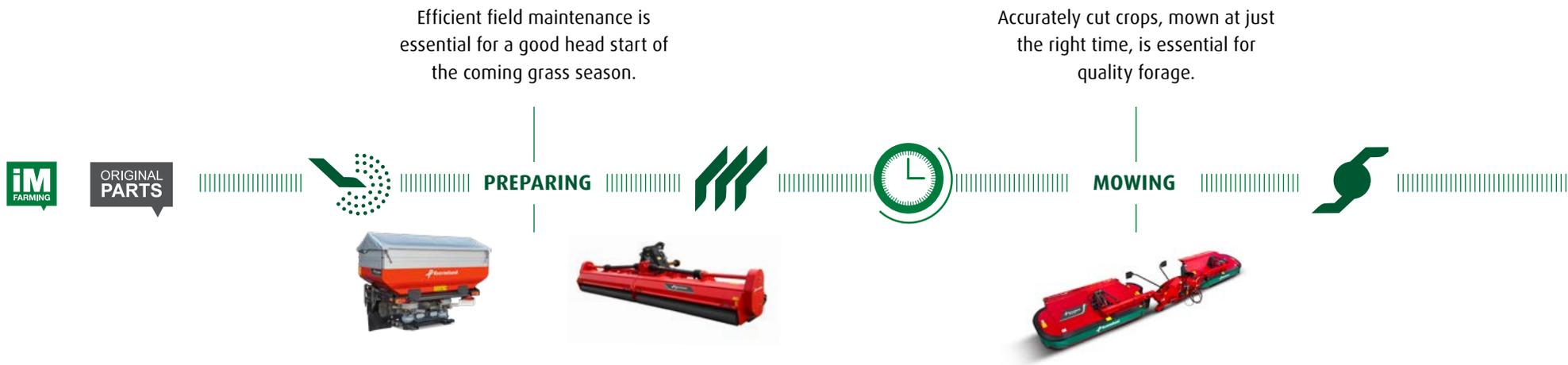
Model	Hopper Capacity (l)	Spread width (m)	Filling height (cm)	Filling width (cm)	IsoMatch Tellus GO+ / PRO	Hydr. border spreading plate	ExactLine Border Spreading system
Exacta-EL	700 / 900 / 1,400	9 - 21*	96 / 108 / 128	148 / 148 / 170			
Exacta-CL	1,100 / 1,550 / 2,000	10 - 28*	100 / 119 / 138	214		●	●
Exacta-CL EW	1,100 / 1,550 / 2,000	10 - 28*	100 / 119 / 138	214	●	●	●
Exacta-CL W PRO	1,100 / 1,550 / 2,000	10 - 28*	100 / 119 / 138	214	●	●	●
Exacta-HL	1,500 / 2,150 / 2,800 / 3,450 / 1,875 / 2,550 / 3,225 / 3,900	12 - 54*	119 / 138 / 157 / 176	269 / 284		●	●
Exacta-CL GEOSPREAD®	1,100 / 1,550 / 2,000 / 2,450 / 1,300 / 1,800 / 2,300 / 2,800	10 - 33*	108 / 127 / 146 / 165 / 113 / 132 / 151 / 170	214 / 239	●	●	●
Exacta-TL GEOSPREAD®	1,500 / 2,150 / 2,800 / 3,450 / 1,875 / 2,550 / 3,225 / 3,900	12 - 54*	119 / 138 / 157 / 176	269 / 284	●	●	●
Exacta-TL GEOSPREAD® iDC	1,875 / 2,550 / 3,225 / 3,900	12 - 54*	119 / 138 / 157 / 176	284	●	●	●
Exacta-TLX GEOSPREAD®	1,875 / 2,550 / 3,225 / 3,900	24 - 45*	123 / 142 / 161 / 180	284	●	●	●
Exacta-TLX GEOSPREAD® iDC	1,875 / 2,550 / 3,225 / 3,900	24 - 45*	123 / 142 / 161 / 180	284	●	●	●

\* depending on the type of vanes and fertiliser

# EFFICIENT GRASS MANAGEMENT

Choosing for the most efficient harvesting system is about planning and maintaining the overview – about starting with the end. Planning for the correct end-result means constantly adapting to ever-changing variables. Seasonal effects, such as field conditions, changing crop intensity during the season and - in particular - the weather requires a flexible harvesting system, which can be quickly adjusted to the conditions facing you today. You need capacity to get the job done in time during a dry spell, before the weather changes again. You need flexibility, to be able to adjust your implements to whatever challenges occur. An adaptable system of implements that complements each other is imperative, when making the complete harvesting process as efficient and accurate as possible.

*Beat the weather with an efficient harvesting system*





**TEDDING**

Spreading the crop efficiently will boost your grass management.



Leaving an even and well-prepared swath for the next pick-up process is essential to keep an efficient harvesting system.

**RAKING**



**PICK-UP**

Clean pick-up and rapid compression into tight, dense bales preserves feed quality and maximises nutritional value.



## MOW

Accurately cut crops, mown at just the right time, is essential for quality forage.





# DISC MOWERS & MOWER CONDITIONERS

## EFFICIENT GRASS MANAGEMENT STARTS HERE

### Next Level Mowing

Producing the best possible forage in the most efficient way, requires a mower that is **made for immediate action**. You need a machine that gets the job done quickly. At any moment. Under all circumstances.

### Complete Range

Kverneland offers a full range of highly efficient machines, designed for **maximum productivity** and to handle even the toughest conditions.

### Innovative Solutions

Considerable devotion to the development of innovative high quality products, founded on **extensive insights into farmer expectations**, allows us to offer machines suitable for any mowing operation.

### Simple and Effective

Kverneland mowers are packed with several unique features, giving them the **professional characteristics** needed, to tackle ever changing conditions and to make operation as simple and effective as possible.

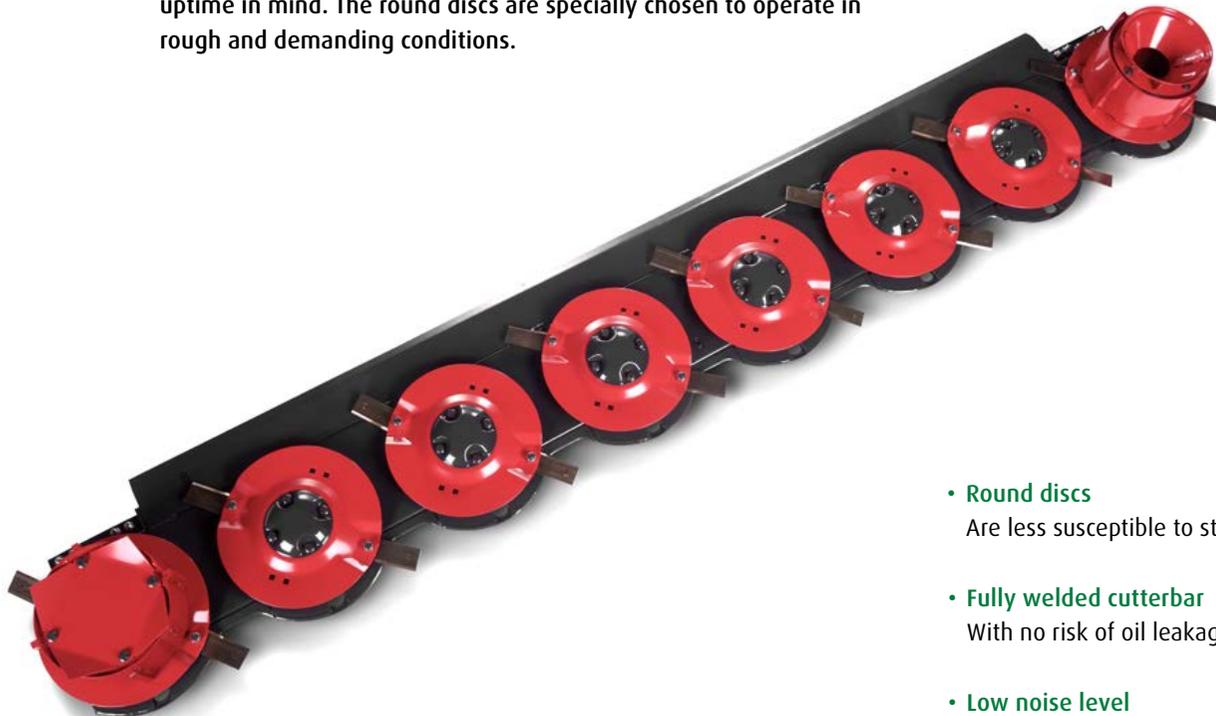
*Efficient, uncomplicated mowers, purpose built to lower operating costs and optimise uptime*





## KVERNELAND ROUND DISCS BUILT TO WORK AS HARD AS YOU

Offering maximum strength for demanding jobs, the Kverneland cutterbar is built to last. The durable welded cutterbar is designed with focus on quality and demanding conditions with maximum uptime in mind. The round discs are specially chosen to operate in rough and demanding conditions.



- **Round discs**  
Are less susceptible to stone impacts.
- **Fully welded cutterbar**  
With no risk of oil leakage.
- **Low noise level**  
Due to specially tooled gear wheels.
- **Special hub design**  
Engineered for low power requirements.
- **Integrated safety system**  
Excellent driveline protection.



### **Round Discs – Outstanding Cut and Perfect Protection**

The round discs have always been a known Kverneland hallmark. The unique circular design means that a constant distance is kept between the outer edges of the discs. Stones are expelled immediately before risking blockage, which reduces shock loads on the transmission to an absolute minimum. This in turn improves durability and maintenance substantially.

*Round disc - specifically designed for stony and rough field conditions*





# PLAIN DISC MOWERS SUPPORTING YOUR BUSINESS - FROM THE GROUND UP



### 2300 M Series

These 1.65-2.4 m working width machines are perfect for farmers looking for simple, compact mowers.



### 2600 M Series

2.4-3.2 m mowers with a very flexible suspension for outstanding ground following. In hilly conditions.



### 2500 MH Series

3.2-4.0 m centre mounted plain disc mowers with hydraulic suspension for fast adaptation across the entire 3.2-4.0 m working width.



### 2800 M Series

Centre pivot 2.8-4.0 m machines with excellent flotation for limited skid wear and maximum protection of stubble.



### 2800 F Series

Front mounted 2.8-3.2 m mowers with outstanding ground following ability, easy operation and low weight.



### 2832 FS

Besides the "standard" features of the 2800 F, this unique mower includes an actively driven swath former.



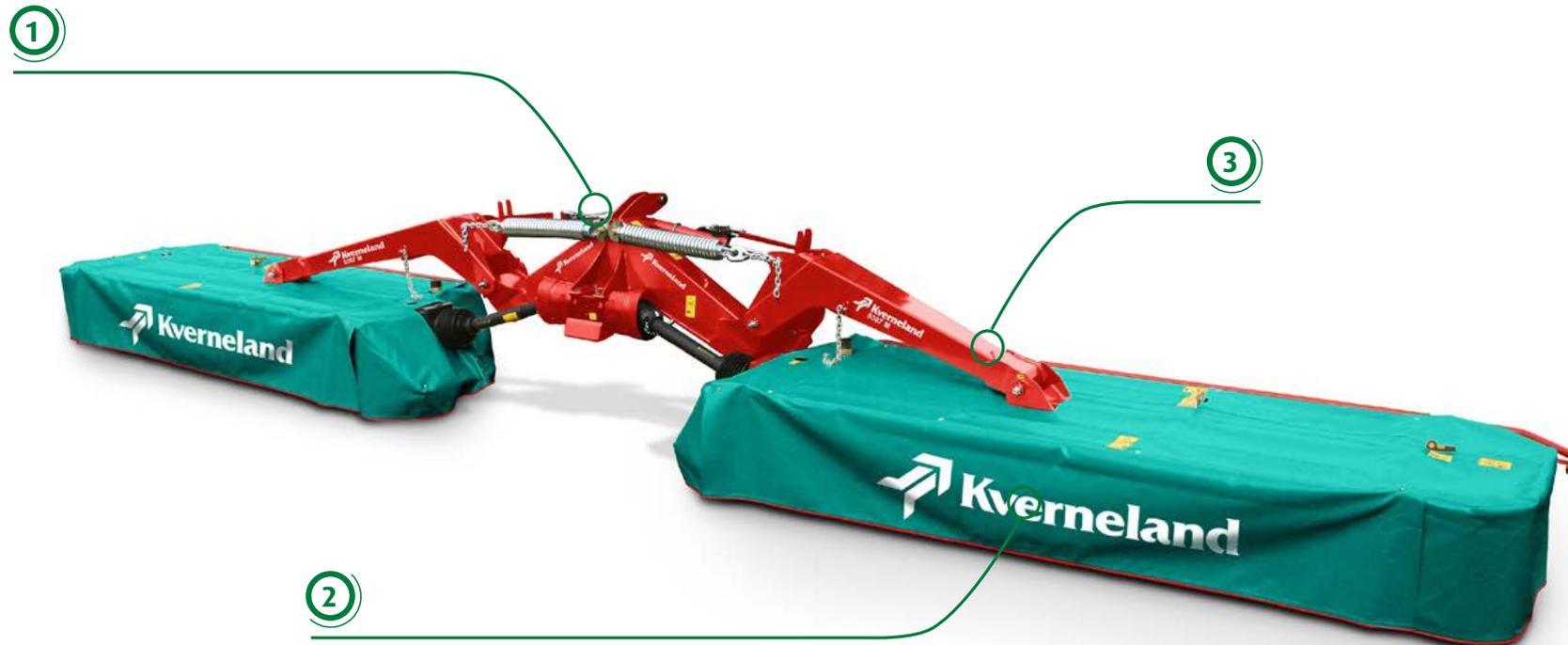
### 5000 M Series

Butterfly solutions in 8.7-9.5 m working widths, run with tractors from 140 hp. With integrated parking device.



### 4100 L Series

Trailed disc mowers with low power requirements and a remarkable ability to adapt to ground structures.



**1** **Hydraulic Setting of Ground Pressure**  
 Easy, simple setting of ground pressure. Tension on the spring, which controls ground pressure, is adjusted hydraulically.

**2** **ProFit - Quick Change of Knives**  
 With ProFit maintaining perfect cutting quality is easy. Knives are changed by a simple operation, using a special lever.

**3** **A Full Range**  
 The Kverneland plain mower offering covers models ranging from 1.65-9.5 m, so there is a mower to suit any demand.



# DISC MOWER CONDITIONERS

## A FULL RANGE OF EFFECTIVE MACHINES



### 3200 MN/MR/MT Series

Fitted with either rigid nylon tines, roller conditioner or SemiSwing steel tines, to suit various crops and conditioning demands.



### 3300 MT/MR Series

QuattroLink mowers with dual adjustment of conditioner plate. Available with 400 mm hydraulic on-the-go Vario adjustment.



### 3300 FT/FR Series

Maintenance-friendly front mounted machines with ProLink suspension design for maximum machine and cutterbar protection.



### 3600 FT/FR/FN Series

Front mounted mowers with ActiveLift suspension and a choice of either SemiSwing, roller or nylon tine conditioning.



### 5087 MN/MT

Choice of nylon tines or SemiSwing steel tines. Integrated parking device for compact storage and optional hydraulic adjustment of ground pressure.



### 5387 MT BX

Machine with 8.7m working width, QuattroLink suspension and dual adjustment of conditioner plate. Optionally available with BX belt.



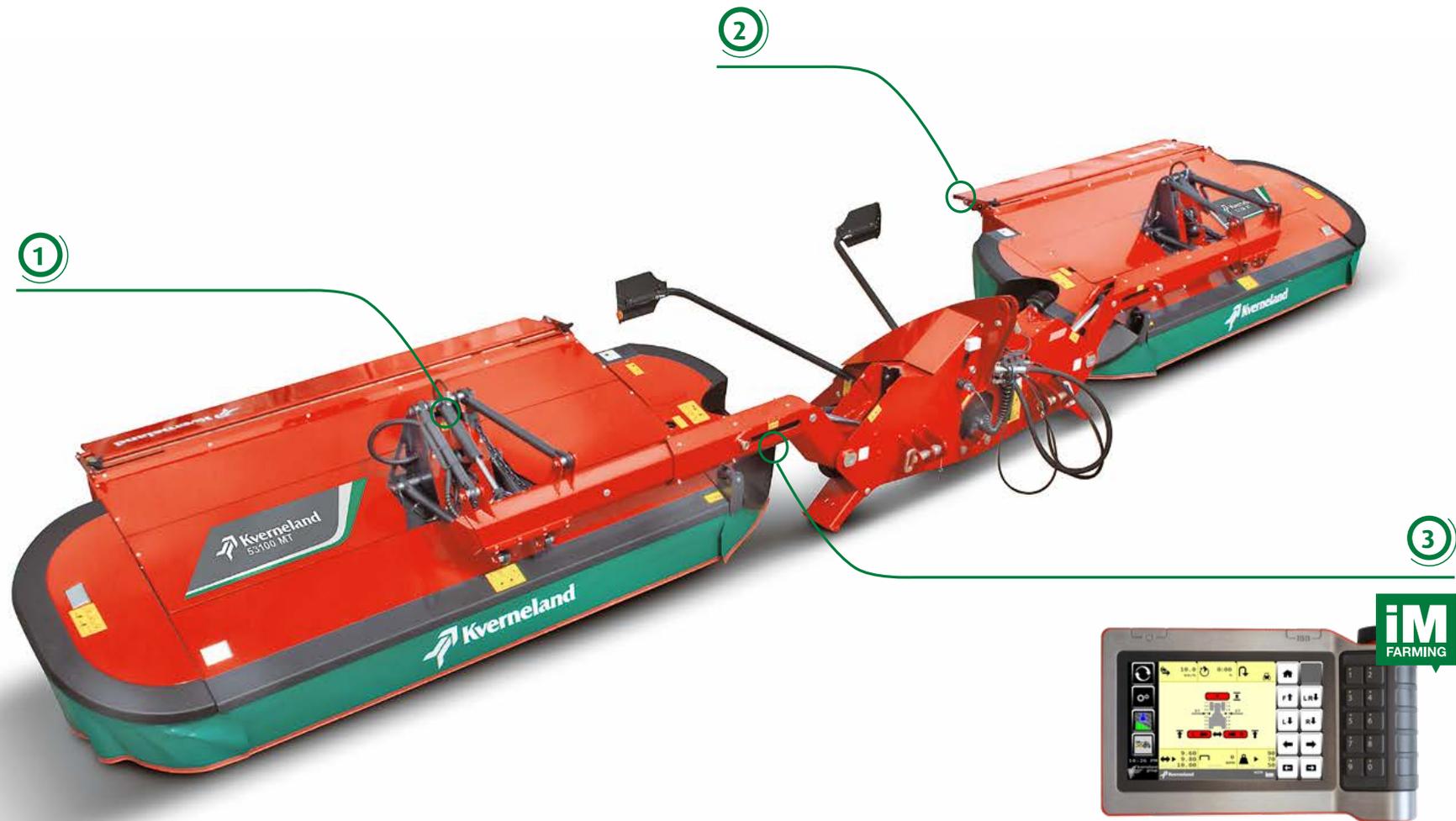
### 53100 MT Vario BX Series

QuattroLink suspension, Vario overlap adjustment, optional detachable BX belt for maximum productivity.



### 4300 LT/LR/CT/CR Series

A wealth of models and an array of configurations. Can be fitted with widespreading equipment and BX belt for ultimate flexibility.



①

#### QuattroLink Racecar Suspension

The QuattroLink 4-arm suspension offers exceptional flexibility and instant ground adaptation ability, inviting for higher speed and improved productivity.

②

#### Dual Adjustment of Conditioner Hood

The conditioner hood can be adjusted at both front and rear end to customise the conditioner to crop intensity.

③

#### Vario Suspension Arm

Hydraulic SideShift integrated into the carrying arm allows each mowing unit to move 400 mm. Adjustment is quickly done on the go.



# DISC MOWERS & MOWER CONDITIONERS SPECIAL FEATURES



### Kverneland Cutterbar

Fully welded cutterbar housing, eliminating oil leaks. High oil volume for excellent lubrication and unique, rounded design of gear wheels for silent, reliable power transmission.



### Round Discs

The unique circular design, with constant distance between outer disc edges, means stones are expelled immediately, before risking blockage.



### NonStop BreakBack

Excellent protection of cutterbar. If an obstacle is hit, the mowing unit will swing backwards and up, automatically returning once the obstacle has been passed.



### SemiSwing Conditioner

A virtually maintenance-free, full width conditioning system. Tines stay in a fixed position and when encountering an obstacle the SemiSwing tines will pivot backwards, allowing the obstacle to pass.



### Dual Adjustment of Conditioner Hood

The dual adjustment concept allows adaptation to varying crop conditions in just seconds – by adjusting two handles. Front end is adjusted to suit crop intensity, rear end to ensure smooth crop flow.



### Vertical Park

An integrated parking device allows easy, convenient storage, requiring a minimum of space. The mower is firmly parked on strong and stable parking feet, with a total height of below 4.00 m.

# DISC MOWERS & MOWER CONDITIONERS

## TECHNICAL DATA

Model	Concept	Working width (m)	Number of discs	Conditioner	Power req. (hp)	Weight (kg)	Transport width (m)
<b>Plain Mowers</b>							
2300 M Series	side mounted	1.6 - 2.0 - 2.4	4 - 5 - 6	-	36 - 46	435 - 495	1.2
2600 M Series	side mounted	2.4 - 2.8 - 3.2	6 - 7 - 8	-	45 - 55	580 - 684	1.4
2500 MH Series	centre mounted	3.2 - 3.6 - 4.0	8 - 9 - 10	-	55 - 70*	805 - 970	<3.0
2800 M Series	centre mounted	2.8 - 3.2 - 3.6 - 4.0	7 - 8 - 9 - 10	-	40 - 70	806 - 940	2.3
5000 M Series	triple comb.	8.7 - 9.5	2 x 8 - 2 x 9	-	140 - 150	1,360 - 1,500	<3.0
2800 F / FS Series	front mounted	2.8 - 3.2	7 - 8	-	45 - 60	670 - 855	<3.0
4100 L Series	trailed	3.2 - 4.0	8 - 10	-	65 - 85	2,513 - 2,256	3.0 - 3.8
<b>Mower Conditioners</b>							
3200 MT / MN / MR Series	rear mounted	2.4 - 2.8 - 3.2	6 - 7 - 8	SemiSwing, Nylon, Roller	70 - 90	905 - 1,090	1.9 - 3.0
3300 MT / MR Series	rear mounted	3.2 - 3.6	8 - 9	SemiSwing, Roller	90 - 120	1,400 - 1,550	3.0
5087 MT / MN	triple comb.	8.7	2 x 8	SemiSwing, Nylon	150	2,129	3.0
5387 MT	triple comb.	8.7	2 x 8	SemiSwing	180	3,360	3.0
5387 MT BX	triple comb.	8.7	2 x 8	SemiSwing	210	3,960	3.0
53100 MT / MR Vario Series	triple comb.	9.8 - 10.2	2 x 9	SemiSwing, Roller	200	3,065 - 3,185	2.9
53100 MT / MR BX Vario Series	triple comb.	9.8 - 10.2	2 x 9	SemiSwing, Roller	240	3,710 - 3,830	2.9
3300 FT / FR Series	front mounted	3.2 - 3.6	8 - 9	SemiSwing, Roller	75 - 80	1,225 - 1,439	3.0 - 3.35
3600 FT / FR / FN Series	front mounted	2.8 - 3.2 - 3.6	7 - 8 - 9	SemiSwing, Roller, Nylon	70 - 90	1,206 - 1,500	2.7 - 3.4
4300 LT / LR Series	trailed, left hand drawbar	2.4 - 2.8 - 3.2 - 3.6	6 - 7 - 8 - 9	SemiSwing, Roller	60 - 90	1,800 - 2,250	2.2 - 3.4
4300 CT / CR Series	trailed, centre drawbar	3.2 - 3.6 - 4.0	8 - 9 - 10	SemiSwing, Roller	80 - 100	2,320 - 2,500	3.0 - 3.8

\* 2540 MH minimum weight requirement on tractor



## PROCESS

Processing the crop efficiently will boost your grass management, ensuring the correct dry matter content and best possible nutritional value.





## TEDDERS

### THE RIGHT TEDDER FOR EVERY FARM SIZE

#### A Tedder for Any Demand

The Kverneland tedder range is **suitable for all sizes of operations**. With working widths ranging from 4.6 m to 15.6 m and with mounted and trailed versions, the Kverneland 8000 series offers a tedder to suit **all requirements** and farm sizes.

#### A Strong Reliable Heart

Kverneland CompactLine tedders feature a maintenance **friendly gearbox** with only one grease nipple. ProLine tedders feature a uniquely designed self-contained rotor gearbox. The ProLine gearbox requires **no maintenance**, and is situated in an enclosed oilbath, set up to ensure permanent lubrication.

*For delivering the best possible output in the most efficient way, it requires a tedder that is made for all conditions. You need an easy but also robust machine that gets the job done to your satisfaction.*



# TEDDERS

## FULL RANGE SUITABLE FOR YOUR REQUIREMENTS



### 8446 - 8452 CompactLine

2 versions of CompactLine tedders with low maintenance requirements and working widths from 4.60 to 5.20 m.



### 8460 - 8480 CompactLine

Two compact models with 6 or 8 rotors and 6.05-8.05 m working widths. Standard fitted with oscillation dampers.



### 8555 - 8568 - 8576 - 8590 - 85112 ProLine

These are high-quality tedders with 4-10 rotors and working widths from 5.50 to 11.20 m. Minimum wear and maintenance.



### 8590 C - 85112 C ProLine

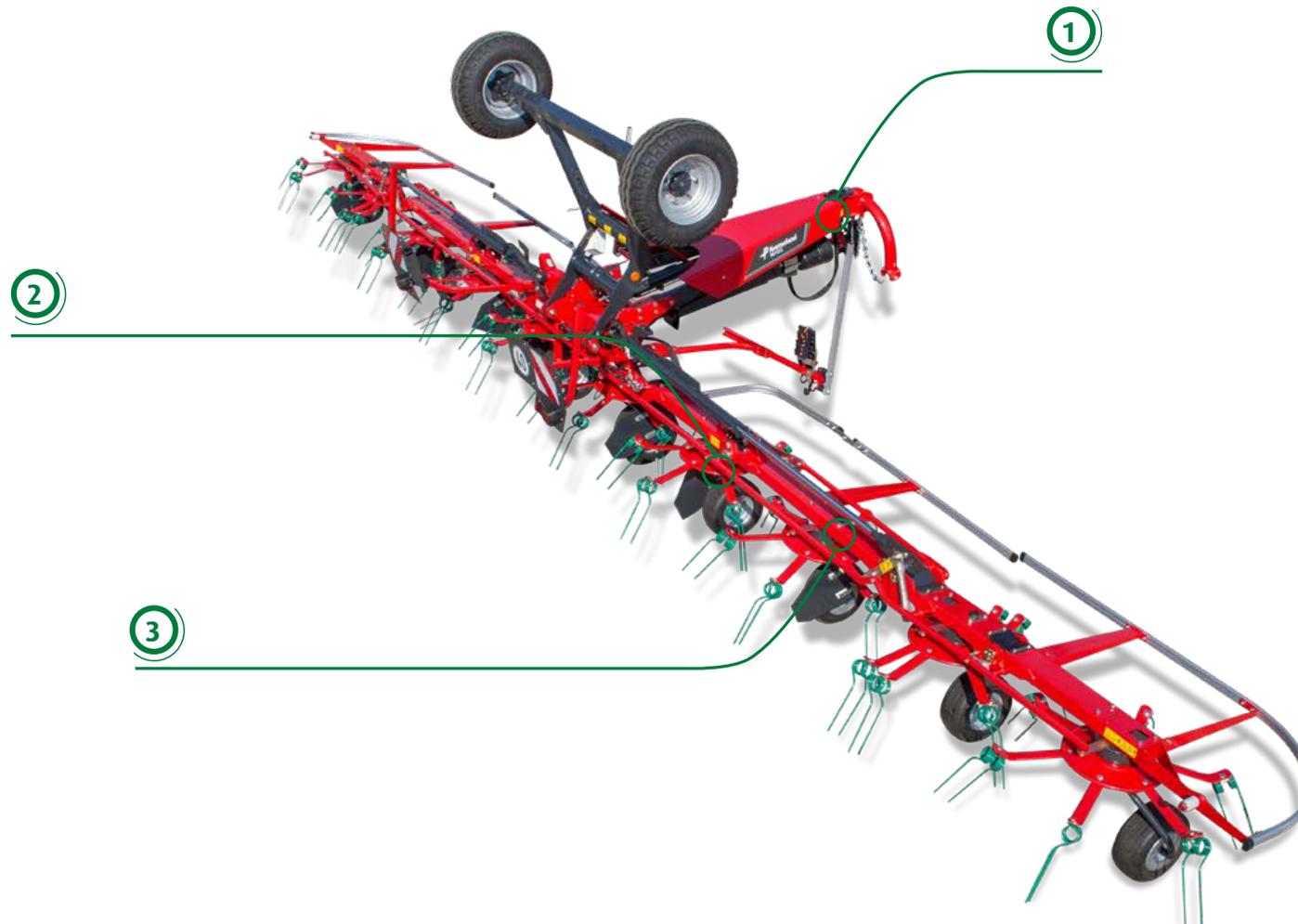
The Kverneland 8590 C with 9 m and 8-rotors and the new 85112 C with 11.20 m and 10-rotors are carrier frame tedders.



### 85134 C - 85156 C ProLine

With 13.40 & 15.60 m working width and 12-14 rotors, these trailed tedders are designed for high output and excellent crop quality.

*The range of Kverneland tedders –  
A reliable and efficient offering*



1

### Headstock

Strong design with fully closed headstock and V-shaped central unit provides high stability during tedding operation.

2

### Gearbox

Kverneland ProLine tedders feature a uniquely designed self-contained rotor gearbox. The ProLine gearbox requires no maintenance.

3

### Oscillation Dampers

Kverneland oscillation dampers ensure excellent ground contour following and tedder flotation. Results in a smooth and even distribution.



# TEDDERS SPECIAL FEATURES



### Mainframe

The tedders are built around a rugged new box section mainframe, made out of one piece of metal with only one welding seam - for maximum rigidity.



### Tines

Made from 10 mm shot-peened spring steel and a coil diameter of 80 mm, Super-C tines add up to the most durable and flexible tine in the market.



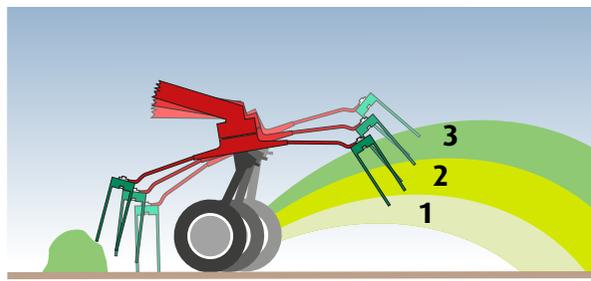
### Compact Folding

Kverneland HexaLink finger clutch, a simple, yet efficient drive system that permits rotors to turn into a 180° position for transport. (Kverneland 8480, 8576, 8590 and 85112).



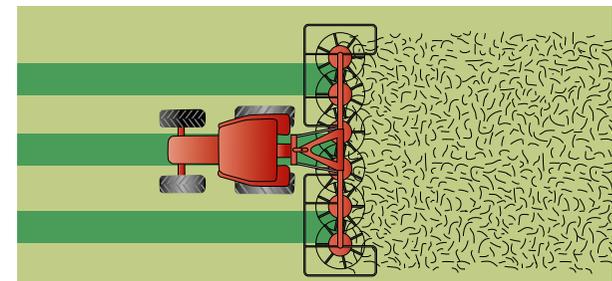
### Solid Design - Maintenance-Free Operation

ProLine tedders feature a uniquely designed self-contained rotor gearbox. The ProLine gearbox requires no maintenance, and is situated in an enclosed oilbath.



### Even Spread, Clean Job

Simple three-way adjustment of wheel height, allows the optimum spreading angle to be achieved according to crop conditions, helping you to produce high quality forage.



### Oscillation Dampers

The oscillation dampers ensure excellent ground contour following and tedder flotation. The construction of results in a smooth and even distribution of the grass.



# TEDDERS

## TECHNICAL DATA

Specification	Models	Working Width (m)	Rotors
<b>Mounted Tedders</b>			
CompactLine	8446 - 8452 - 8460 - 8480	4.60 - 5.20 - 6.00 - 8.00	4 - 6 - 8
ProLine	8555 - 8568 - 8576 - 8590 - 85112	5.50 - 6.80 - 7.60 - 9.00 - 11.20	4 - 6 - 8 - 10
<b>Carrier Frame Tedders</b>			
ProLine	8590 C - 85112C - 85134 C - 85156 C	9.00 - 11.20 - 13.40 - 15.60	8 - 10 - 12 - 14



## PROCESS

Processing the crop efficiently will boost your grass management, ensuring the correct dry matter content and best possible nutritional value.





## RAKES

# MASTER PRODUCTIVITY AND ACCURACY

### Made to Perform

**Correctly adjusting and customizing** the rake to the exact conditions facing you today is what adds the extra quality to your forage, ensuring that dirt stays out of the swath, yet leaving no crop behind. Setting the rotor height, adjusting the swath width and **fine tuning the cam track** (ProLine) is done easily and intuitively on all Kverneland rakes, taking the hassle out of the daily work optimization.

### The Reliable and Solid Solutions

The Kverneland CompactLine rakes with its strong tine arms and bearings in an oilbath, ensure **longevity and easy maintenance**.

The Kverneland ProLine rakes feature a **unique drive system**. The fully enclosed design ensures **full and permanent lubrication**, and makes the entire system **absolutely maintenance-free**.

### High performance

The 95130C PRO and 97150C are fully Isobus compatible and available with the IsoMatch Tellus PRO or Tellus GO+ terminals.

*The Kverneland rakes are targeted at making lighter work of tough and demanding operations*





# RAKES

## SOLID RANGE TO PERFORM YOUR DAY



**9032 - 9035 - 9439 - 9442 T - 9443 - 9447 T CompactLine**

Kverneland offers several compact single rotor rakes in working widths of 3.20-4.70 m.



**9542 - 9546 ProLine**

Kverneland 9542 and 9546 are high performance rakes. The standard boogie wheels offer perfect ground contour following.



**9464 C - 9472 C & Hydro - 9476 C CompactLine**

Kverneland offers four cost-effective two rotor rakes with strong frames. The rakes produce a nice even centre swath.



**9670S Evo & Vario - 9471 S Evo - 9671 S Vario CompactLine**

These compact and nimble side delivery rakes feature a sturdy frame and the TerraLink Quattro ground-following system.



**9577 S ProLine**

Manoeuvrability and a generous amount of ground clearance with lifted rotors contribute to the superb performance of this rake.



**9580 C - 9584 C - 9590 C Hydro**

Heavy duty two-rotor rakes with working widths up to 9.0m. Hydraulically adjustable working and swath width.



**94125 C CompactLine - 95130 C & PRO**

With its capacity of 12.50 m working width, these models are targeted at making lighter work of tough and demanding operations.

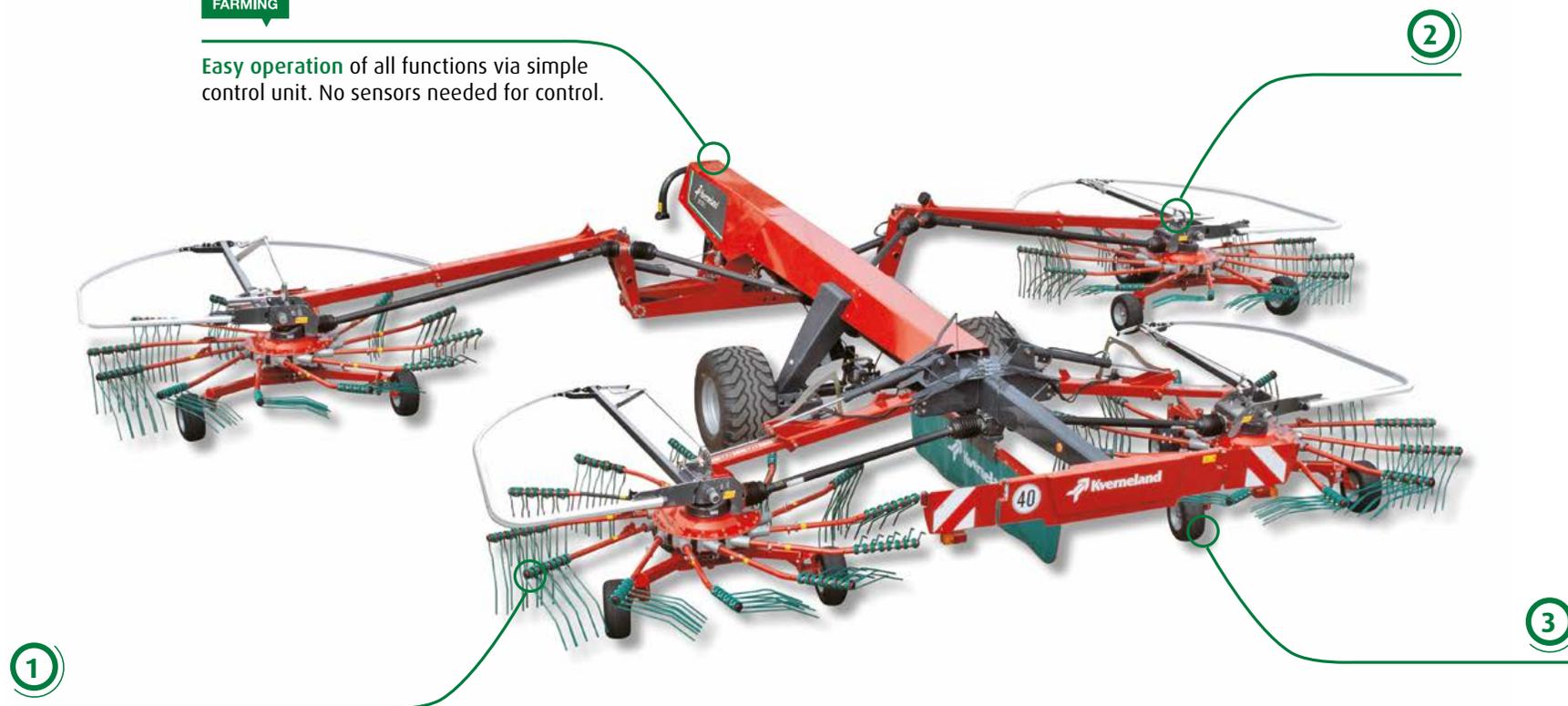


**97150 C ProLine**

With its 15.0 m working width, its a heavy duty 4-rotor rake designed for high output.



**Easy operation** of all functions via simple control unit. No sensors needed for control.



1

**ProLine gear box**

The maintenance-free ProLine rotor head is lifetime maintained. The PTO of the driveline requires maintenance only every 100 hours.

2

**Individual rotor lift**

Individual rotor lift of front and rear rotors. Standard fitted with adjustable time delay for headland position.

3

**Hydraulic**

The hydraulics are operating on load sensing. This is good for low fuel consumption compared to constant flow. If tractor is not equipped with load sensing hydraulics, constant flow is as well possible.

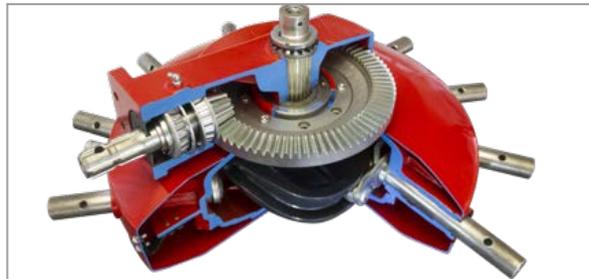


# RAKES SPECIAL FEATURES



### Reliable and Solid Solutions

The fully enclosed design of the ProLine gearbox ensures full and permanent lubrication, and makes the entire system absolutely maintenance-free.



### Compact Line Gearbox

The compact line gearbox is with its double bearings for crown wheel and pinion a long life time solution.



### Headland Turns

High lift of the rotors ensures generous clearance during headland turns.



### TerraLink Quattro

The TerraLink Quattro system has become a true legend related to accurate ground following, vital to avoid dirt in the swath - especially in uneven field conditions.

### Stay on Track with Terralink Quattro

The openly constructed frame arm absorbs vibrations away from the rotor and allows torsion flexibility, adding the extra tracking flexibility and stability of the rotor.



### High Stability

The trailed wheel axle configuration, where weight is centered on the front boogie wheels, enhances quiet running and prevents lifting and tine bouncing.

# RAKES

## TECHNICAL DATA

Specification	Models	Working Width (m)	Tine Arms/Rotor
<b>CompactLine</b>			
Single Rotor Rakes	9032 - 9035 - 9439 - 9442 T - 9443 - 9447 T	3.2 - 3.5 - 3.9 - 4.2 - 4.3 - 4.7	9 - 10 - 11 - 12
Double-Rotor Side Delivery Rakes	9471 S Evo - 9471 S Vario	6.6 - 7.1	11 - 12
Double-Rotor Side Delivery Rakes	9670S Evo - 9671 S Vario	6.65 - 6.65 - 7.85	11 - 12
Double-Rotor Centre Swath Rakes	9464 C - 9472 C - 9472 C Hydro	6.2 - 7.3	2 x 11
Double-Rotor Centre Swath Rakes	9476 C	7.0 - 7.8	2 x 11
Four-Rotor Centre Swath Rake	94125 C	10.0 - 12.5	4 x 12
<b>ProLine</b>			
Single Rotor Rakes	9542 - 9546	4.2 - 4.6	12 - 13
Double-Rotor Side Delivery Rakes	9577 S	7.7	2 x 12
Double-Rotor Centre Swath Rakes	9580 C	7.0 - 8.0	2 x 11
Double-Rotor Centre Swath Rakes	9584 C	7.6 - 8.4	2 x 12
Double-Rotor Centre Swath Rakes	9590 C Hydro	8.0 - 9.0	2 x 14
Four-Rotor Centre Swath Rake	95130 C /Pro	10.0 - 12.5	4 x 12
Four-Rotor Centre Swath Rake	97150 C	9.8 - 15.0	2 x 13 / 2 x 15



# BALE

Clean pick-up and rapid compression into tight, dense bales preserves feed quality and maximises nutritional value.





# ROUND BALERS

## UNMATCHED BALE QUALITY

### Profitable Investment!

The benefit of **many years experience** in the baler business are **incorporated into the design** of the latest Kverneland Round balers. **Increased productivity**, while at the same time producing bales of **unrivalled quality**, coupled with superb long term durability **ensure many years of profitable operation**.

### Bale Production on a New Level

The revolutionary FastBale Premium takes baling and wrapping to the next level. Non-stop operation eliminates time spent stationary with conventional systems, significantly boosting productivity.

### High Output, High Performance!

Despite their **outstanding performance**, Kverneland fixed chamber balers series pick-ups have a **strong reputation for reliability**. Their optimized design **provides unrivalled bale quality, superb output and outstanding reliability**.

### Great Quality Bales!

The latest Kverneland 6000 Plus series balers combine **profitable high output performance** with market leading bale density. They benefit from a host of upgrades designed **to boost output and reduce maintenance requirements, keeping operating costs to a minimum**.

*Everything under Control  
- with ISOBUS Technology!*





# ROUND BALERS HIGH CAPACITY AND PERFORMANCE



### 6616 - 6618 Plus

The 6600 Plus series with superb intake capacity produce great quality bales in silage, hay and straw with diameters from 0.80 m up to 1.75 m.



### 6716 - 6720 Plus

The 6700 Plus series designed for multi-crop professional use. With the market-leading Intelligent Density 3D, setting of bale density is made very easily.



### 6500F

The 6500F is the specialist baler for heavy silage conditions, ensuring maximum bale density and rotation in all conditions with minimal power requirements.



### 6250 - 6350 Plus

The 6250 Plus with mixed chamber concept and 6350 Plus with full roller chamber are designed to handle a wide variety of crop conditions.



### FlexiWrap

The FlexiWrap combinations with a high-speed twin satellite wrapper produce high-density bales and an ideal solution for a one-man operation.



### FastBale Premium

Kverneland FastBale Premium is designed with two full roller fixed chambers increasing daily productivity and bale density. The large diameter feed rotor gives superb intake capacity to both bale chambers.



### Easy Control

With a Tellus GO+ or Tellus PRO terminals, the operator can see at a glance the status of the baling process, allowing to vary the forward speed to maximise output to machine capacity and prevailing crop conditions.



**Easy to Use Control Systems**  
6500F is standard equipped with the Focus 3 terminal designed for easy operation.

**1** **Extra wide Pick-up**  
2.3 m XL+ low profile pick-up equipped with 5 tine bars, with each bar supported by two intermediate bearings.

**2** **NEW PowerFeed & SuperCut 15 Chopping System for optimum Cutting Performance**  
New PowerFeed & SuperCut 15 knife pre-chopping system provides higher efficiency and improved crop flow into the baler.

**3** **Full Roller Bale Chamber for Ultimate Versatility**  
The PowerMax bale chamber incorporates 18 heavy duty rollers arranged in a perfect circle for maximum bale rotation capability in all conditions. This is the ideal solution for producing well shaped and dense bales.



# ROUND BALERS SPECIAL FEATURES



### High Capacity Pick-Up

Wide 2.2 m low profile pick-up provides clean raking performance, raising productivity in even the toughest of working conditions.



### PowerFeed Rotor Intake

PowerFeed intake system excels for its truly impressive intake capacity and the ability to handle both wet and dry crops.



### SuperCut 14

The SuperCut-14 knife chopping system provides fast and efficient crop flow into the baler. With a chop length of 70 mm it is the ideal solution for producing tight, dense bales.



### SuperCut 25

The SuperCut-25 knife pre-chopping system with a chop length of 40mm provides the ultimate solution for maximising silage quality.



### PowerBind

PowerBind net wrap system provides positive and reliable injection of net in all crop conditions, while also eliminating potentially troublesome feed rollers.



### Intelligent Density 3D

Fully programmable bale density setting with three pre-selectable options for silage hay and straw easily set from the control box.



# ROUND BALERS

## TECHNICAL DATA

Model	Chamber concept	Bale Diameter	Pick-up size (m)	Intake	Binding
<b>Fixed chamber balers</b>					
6250 F Plus	Rollers and Chain / Slats	1.20 x 1.25	2.00	Feeder Fork	Net, Net & Twine
6250 R Plus	Rollers and Chain / Slats	1.20 x 1.25	2.00	PowerFeed	Net, Net & Twine
6250 SC14 Plus	Rollers and Chain / Slats	1.20 x 1.25	2.20	SuperCut 14	Net, Net & Twine
6350R Plus	Full roller	1.20 x 1.25	2.20	PowerFeed	Net, Net & Twine
6350 SC14 Plus	Full roller	1.20 x 1.25	2.20	SuperCut 14	Net, Net & Twine
6350 SC25 Plus	Full roller	1.20 x 1.26	2.20	SuperCut 25	Net
6500F SC15	Full roller	1.23 x 1.25	2.30	SuperCut 15	Net
6500F PF	Full roller	1.23 x 1.25	2.30	PowerFeed	Net
<b>Variable chamber balers</b>					
6616 F Plus	Mixed (3 rollers and 5 wide laced belt)	1.20 x 0.80 to 1.65	2.00	Feeder Fork	Net, Net & Twine
6616 FD Plus	Mixed (3 rollers and 5 wide laced belt)	1.20 x 0.80 to 1.65	2.20	DuoFeed	Net, Net & Twine
6616 R Plus	Mixed (3 rollers and 5 wide laced belt)	1.20 x 0.80 to 1.65	2.20	PowerFeed	Net, Net & Twine
6618 F Plus	Mixed (3 rollers and 5 wide laced belt)	1.20 x 0.80 to 1.75	2.00	Feeder Fork	Net, Net & Twine
6618 FD Plus	Mixed (3 rollers and 5 wide laced belt)	1.20 x 0.80 to 1.75	2.20	DuoFeed	Net, Net & Twine
6618 R Plus	Mixed (3 rollers and 5 wide laced belt)	1.20 x 0.80 to 1.75	2.20	PowerFeed	Net, Net & Twine
6716 R Plus	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 1.65	2.20	PowerFeed	Net, Net & Twine
6716 SC14 Plus	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 1.65	2.20	SuperCut 14	Net, Net & Twine
6716 SC25 Plus	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 1.65	2.20	SuperCut 25	Net
6720 R Plus	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 2.00	2.20	PowerFeed	Net, Net & Twine
6720 SC14 Plus	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 2.00	2.20	SuperCut 14	Net, Net & Twine
6720 SC25 Plus	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 2.00	2.20	SuperCut 25	Net
<b>Round Bale-Wrapper Combinations</b>					
6350 SC25 Plus FW	Full roller	1.20 x 1.25	2.20	SuperCut 14	Net
6350 SC14 Plus FW	Full roller	1.20 x 1.25	2.20	SuperCut 25	Net
FastBale Premium	17 rollers main chamber, 14 rollers pre-chamber (11 + 3 rollers shared)	1.25 x 1.27	2.20	SuperCut 25	Net, Net & Film
6716 SC14 Plus FW	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 1.65	2.20	SuperCut 14	Net
6716 SC25 Plus FW	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 1.65	2.20	SuperCut 25	Net
6720 SC14 Plus FW	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 2.00	2.20	SuperCut 14	Net
6720 SC25 Plus FW	Mixed chamber for multi-crop with Intelligent Density 3D	1.20 x 0.60 to 2.00	2.20	SuperCut 25	Net



Clean pick-up and rapid compression into tight, dense bales preserves feed quality and maximises nutritional value.





# ROUND BALE WRAPPERS

## THE PROFESSIONAL CHOICE

### Effective Bale Wrapping

Kverneland bale wrappers have been designed to offer **fast and accurate wrapping** of your precious forage crops. An investment in a Kverneland bale wrapper is your **guarantee of cost effective bale wrapping**.

### High Capacity Wrappers

There is model in the range **to suit all requirements**, from the **mounted models** through to the **trailed high capacity twin satellite** model. Every model is equipped with twin driven table rollers, **ultra-low loading/unloading height and many** premium features often not found on competitive machines.

### Fast and Accurate Wrapping

Kverneland Turntable bale wrappers have been designed **to offer fast and accurate wrapping** of your precious forage crops.

### Satellite Wrappers

Kverneland satellite wrappers are equipped with a **low maintenance** satellite drive **for fast and efficient wrapping**.

*Kverneland bale wrappers are designed for high output operation even in rough or hilly conditions*



# ROUND BALE WRAPPERS SUBLINE OVERVIEW



### 7710

The 7710 series three-point linkage mounted wrappers are ideal for 'wrap and stack' operations and mountable on the rear or front of the tractor. They can be specified with a single or DuoWrap pre-stretcher.



### 7730

Self-loading trailed turntable wrapper for easy operation. Hydraulically operated loading arm, and a low loading height, provides fast transfer of bale from arm to turntable.



### 7740

Heavy duty trailed professional wrapper is ideal for wrapping many bales and guarantees stable operations even in hilly conditions, with capability to wrap one bale while carrying another.



### 7820

Kverneland 7820 is equipped with a low maintenance satellite drive for fast and efficient wrapping and is capable of handling bales from 1.20 m-1.50 m.



### 7850

The weight distribution and the tower design of the 7850 series makes it stronger and more stable, allowing rapid wrapping on the move.

*Wrappers designed for high output operation even in rough, hilly condition*



The computer controlling C models turns the wrapper into a fully automatic machine.



Easy operation and machine control



1

**High Speed Pack (HSP)**

HSP: High Speed Pack combination of DuoWrap and OptiSpeed features for optimization of wrapping speed.

2

**Hydraulic film cut**

All Kverneland turntable wrappers feature a hydraulically operated film cut and hold device.

3

**Low Profile Design**

The Kverneland 7740 is designed with a low table height and wheels located at the very rear of the machine.



# ROUND BALE WRAPPERS SPECIAL FEATURES



### Low Profile Design

Low table height ensures fast and gentle loading and unloading of the bales with no need for a fall damper.



### Easy Change Film Rolls

Change of film roll is quick and easy with Kverneland pre-stretchers. The empty core is released by pushing down a single lever with one hand, all in one movement.



### Hydraulic Film Cutter

All turntable wrappers feature a hydraulically operated film cut and hold device.



### Hydraulic Loading Arms

Hydraulically operated loading arm, and a low loading height, provides fast transfer of bale from arm to turntable.



### On the Move Wrapping

The strong design of the 7740 allows a second bale to be carried on the loading arm, whilst the first is being wrapped.



### Gentle Unloading & Bale on end Kit

The wide spacing of the wheels has allowed an exceptionally low mounting position for the turntable.



# ROUND BALE WRAPPERS

## TECHNICAL DATA

Model	Bale dim. (m)	Operations
<b>Turntable wrappers</b>		
7710	1.20 x 1.50	Three point mounted wrapper. A radio frequency remote control is available as an option
7730	1.20 x 1.50	Trailed wrapper with hydraulically operated loading arm, computer or cable controls
7740	1.20 x 1.50	Trailed wrapper with hydraulically operated loading arm and second bale carrying capability programmable computer control
<b>Satellite wrappers</b>		
7820	1.20 x 1.50	Mounted self-loading wrapper with two guide rollers, fully programmable computer control
7850	1.20 x 1.50	Trailed satellite wrapper, fully programmable computer control



### Computer control (C versions)

Computer (C) versions of the trailed turntable wrappers are equipped with the new Focus III control box. The new computer controls has a fully automated wrapping cycle allowing stress free high output operation for long days in the field. Available with single wrap or High Speed Pack.



All computer models come equipped with a compact electronic joystick which can be mounted on the tractor armrest, allowing fingertip initiation of wrapping and bale tip functions as well as immediate manual override of other functions at any time.



### Automatic control 7820/7850 satellite wrappers

Kverneland 7820/7850 are available with fully programmable computer control for the main functions



## FEEDING

Accurate feeding and bedding, utilising the material to the maximum at the same time as keeping speed and pace during the process are key elements in securing a high output of your livestock.





## BALE CHOPPERS/FEEDERS APPETITE FOR MORE

### High End Standards

Kverneland bale choppers are **efficient, productive solutions** that lower operating costs, through higher accuracy and performance.

### Capacity

These machines are designed for **more capacity, reaching longer blowing distances** and doing the job in less time. The flywheel housing and blowing paddles support **efficient handling and transport of material** through the chute, onto the bedding area.

### Significant Saving Potential

Using a bale chopper for bedding gives an even spread of material, with **significant material saving potential**, due to more even spread.

### Dual Purpose

Thanks to the **two-speed gearbox**, you can utilise Kverneland bale choppers as dual purpose machines for both bedding and feeding, with the ability to feed baled material or loose clamp silage.

*Array of models ranging from 2.0-6.0 m<sup>3</sup>*





## BALE CHOPPERS/FEEDERS A WORLD OF OPPORTUNITIES



### 852

Kverneland 852, 2 m<sup>3</sup> mounted bale chopper, is specially designated for working with straw for bedding purposes.



### 853 Pro-856 Pro

3.0 and 6.0 m<sup>3</sup> machines with extensive blowing distance and blockage-free DFCS dosing.



### 863-863 Pro

3.0 m<sup>3</sup> machines with hydraulically driven 4 stage swivel chute for maximum flexibility. 863 Pro has hydraulic activation of shredder drum and hydraulic comb and top guard.



### 864

The 4.2 m<sup>3</sup> chamber handles 2.1 m diameter round bales and blowing distances of up to 20 m can be reached.

*Machines purpose-built for accurate bedding and feeding*



1

#### Flywheel

Fitted with 6 blowing paddles, providing a powerful blow for efficient distribution of material and excellent cleaning of flywheel housing.

2

#### Floor Conveyor

Hydraulically driven conveyor with variable speed and reversing facility, running on two wear strips made of special "UltraGlide" material to reduce friction and increase chain life.

3

#### Drum Design

Kverneland bale choppers include a unique drum - knife configuration. The knives are mounted on angled rings, so they pass a fixed "comb" on alternative sides.



# BALE CHOPPERS/FEEDERS

## SPECIAL FEATURES



### DFCS - Blockage-Free Dosing

A unique feature designed to handle even the most difficult material when feeding.



### Chute

Choice of swivel or side chute is available, both suitable for bedding and feeding purposes.



### Gearbox

Easily adjustable 2-speed gearbox. Low speed for metered flow of silage or hay. High speed for powerful blow during bedding.



### Easy Control

An intuitive control box is standard on all models, for easy control from within the tractor cab.



### Flywheel Housing

The extended dimensions of the 860 series flywheel housing and blowing paddles increase performance of the bale chopper.



### Flywheel Design

1.55 m diameter flywheel with 6 specially angled blowing paddles, designed for transporting large amount of material. Bolt-on paddles ensure easy replacement in case of damage.



# BALE CHOPPERS/FEEDERS

## TECHNICAL DATA

Model	Concept	Volume (m <sup>3</sup> )	Metring System	Blowing distance (m)	Load capacity (kg)	Chute	Power req. (hp)
<b>Bale choppers</b>							
852	mounted	2.0	Single drum	18*	800	Swivel	55
853 Pro	trailed	3.0	Single drum DFCS	20*	1250	Side or swivel	60
856 Pro	trailed	6.0	Two-drum	20*	3000	Side or swivel	75
863	trailed	3.0	Single drum	20*	1500	Swivel	70
863 Pro	trailed	3.0	Single drum	20*	1500	Swivel	70
864	trailed	4.2	Single drum DFCS	20*	2000	Swivel	70

\* Depending on chute and barn-specific conditions



## iM FARMING

Our precision farming offering is essential in managing your business with success. Applying electronics, software, satellite-technology, online tools and Big Data enables you to work more effectively and reach a higher profitability of your crops.

Reduce overlap and save up to 15% on input costs with IsoMatch GEOCONTROL®

## PRECISION FARMING

### THE KEY TO HIGHER PROFITABILITY

Farming today is about sustainability and productivity with more efficient and careful use of land, water, and fertiliser. Smart hardware and software solutions, such as sensors on Kverneland Implements, provide the ability to exchange data between tractor, terminal, and implements, enabling a better management of soil and crop production and optimisation of farm operations.

Since the late 90s, Kverneland Group has been strongly investing in the development of smart/precision farming technology for implements, all aimed to make the practice of farming more easy, accurate, and controlled when it comes to growing crops and raising livestock.

Our key basis component is the ISOBUS technology on the implements, and IsoMatch terminals to make use of information technology such as GPS guidance, control systems, sensors, variable rate technology, automated hardware, telematics, and software.



*Kverneland's precision farming offering can be identified by the iM FARMING label, explaining the solutions in terms of efficiency, cost-saving, and comfort of use*

# ISOMATCH PRODUCTS

## OUR PRECISION FARMING OFFERING



### IsoMatch Tellus PRO

Demand efficient, easy to operate machines with this all-in-one control system, for all your ISOBUS machines.



### IsoMatch Tellus GO+

Gain optimal control in an easy and efficient way, from your tractor cab, with the IsoMatch Tellus GO+.



### IsoMatch Global 3

A GPS antenna system with DGPS accuracy (30-50 cm) for the highest precision possible. It brings you manual guidance, automatic section control, variable rate control in combination with IsoMatch GEOCONTROL®.



### IsoMatch Grip

This ISOBUS auxiliary device is made for great operator comfort and efficient machine control. Its ergonomic shape and the complete freedom of assigning and controlling a total of 44 implement functions from one device are unique in the market today.



### IsoMatch InLine

The IsoMatch InLine is a light bar for manual guidance including section status information. Mounted in the line of sight, you can easily see the distance from the guidance line and to which direction you should steer for the ideal position.



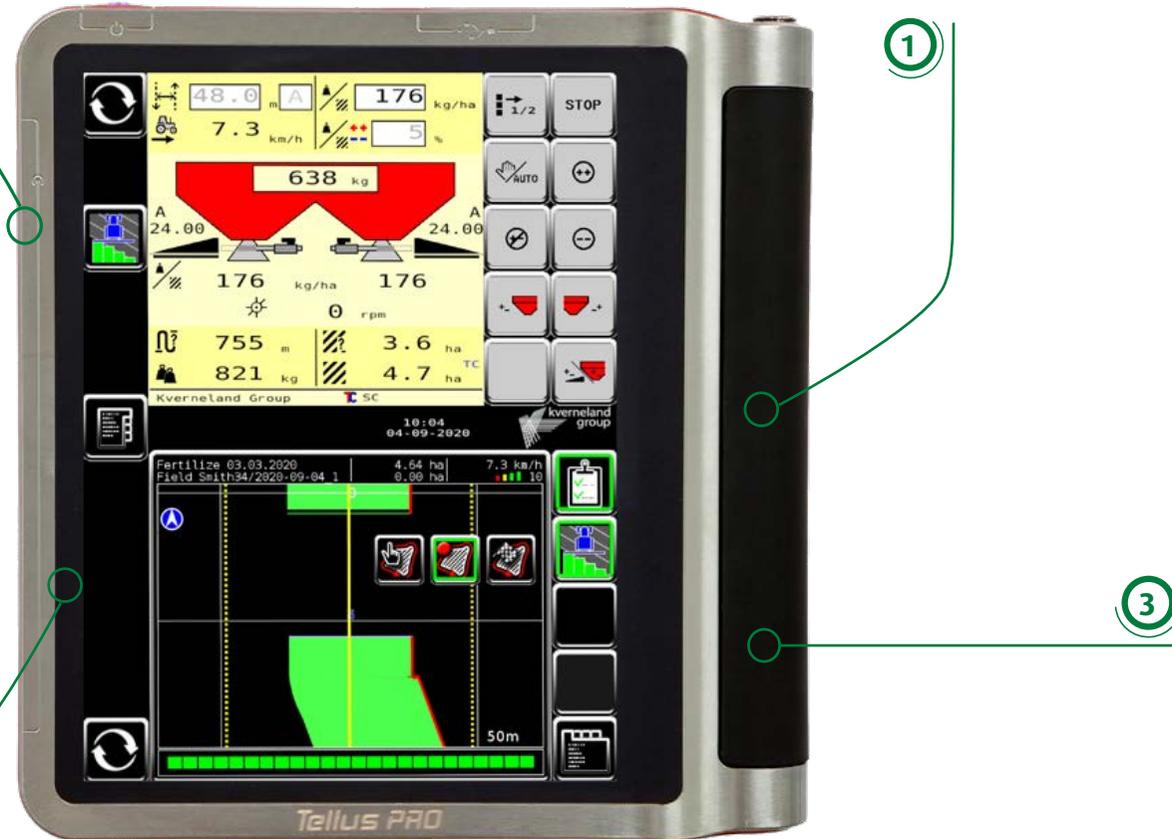
### IsoMatch (Multi)Eye

Increase safety when reversing the machine or manoeuvring around obstructions. Gives full control and overview of entire machine operation from 4 different angles.

*smart, efficient, easy farming - iM FARMING*



This terminal is compatible with all iM FARMING and ISOBUS implements



②

①

③

①

**IsoMatch Tellus PRO**

IsoMatch Tellus PRO offers everything you need to get the maximum out of your machines and crop, as well as cost savings.

②

**Highest efficiency**

Achieve great precision, the advanced hardware connects all ISOBUS machines and is a platform running precision farming applications.

③

**Great overview**

The dual screen functionality it gives you the opportunity to view and manage two machines and/or processes simultaneously.

# ISOMATCH PRODUCTS

## TECHNICAL DATA

Product	IsoMatch Tellus PRO	IsoMatch Tellus GO+
<b>Hardware functions</b>		
Screen size	12"	7"
Dual screen	●	-
Touch screen	●	●
Rotary control	-	●
Push buttons	-	●
USB connection	4	2
ISOBUS 9 PIN connector	●	●
Serial port (RS232)	●	●
<b>Software functions</b>		
Universal ISOBUS Terminal	●	●
Tractor ECU	●	●
Task Documentation	●	●
Automatic Section Control license*	●	●
Automatic Variable Rate Control license*	●	●
Manual Guidance	●	●
Calculator	●	●
Integrated Digital manual	●	●
Spreader AutoSetApp	●	●
<b>Accessories</b>		
IsoMatch FarmCentre+	●	●
IsoMatch TopRemote	●	●
IsoMatch Global 3	●	●
IsoMatch Grip auxiliary device	●	●
IsoMatch Inline manual guidance	●	●
IsoMatch (Multi)Eye camera system	●	●
IsoMatch Wireless (Wifi) support	●	●

\* Purchase seperately



# ISOMATCH SYSTEMS SPECIAL FEATURES



### Licenses

It's all about your business, so you need efficient solutions. With precision farming license you can unlock the full potential of your terminal.



### IsoMatch Simulator

Discover the benefits and features by self-training and make yourself familiar with your machine and enhance your machine performance.



### IsoMatch TopService

Finding solutions on spot, fast and in an easy way. Provides diagnostics and software update capabilities when needed.



### IsoMatch FarmCentre

The ultimate tool to track your fleet online while analysing work performance as well as retrieving detailed reporting of tasks done. IsoMatch FarmCentre improves efficiency and saves time.

*Supporting farmers, Anywhere, Anytime*

# LICENSES

## UNLOCK THE FULL POTENTIAL OF YOUR TERMINAL



### IsoMatch GEOCONTROL®

Reduce overlap and save up to 15% on input costs. Control all ISOBUS compatible machines with IsoMatch GEOCONTROL® - an application integrated in the IsoMatch Tellus PRO terminal.

The license provides:

- Automatic Section Control
- Variable Rate application
- Task management and documentation
- Manual guidance (in combination with IsoMatch Inline)



### IsoMatch GEO-SC\*

Avoid undesired overlaps and operations outside and outside the field border.

The implement's sections switch on and off automatically, so you can save time and resources.



### IsoMatch GEO-VR\*

No field is the same or perfectly even. The Variable Rate helps you automatically adjust the rate of seeds, fertilizer and chemicals based on Variable Rate maps.

\* Available on IsoMatch Tellus GO and Tellus GO+

# ISOMATCH FARMCENTRE USER-FRIENDLY AND SMART SOLUTIONS

Our mission at Kverneland is to provide user-friendly and smart solutions. We know that fully connected farming is not a prediction – it’s a reality. That’s why we created an all-in-one platform that provides full data-based overview of your operation in the field.

With IsoMatch FarmCentre:

- Implements, tractors, and terminals are connected in one flow of data
- You control your fleet and manage tasks in real-time
- You can create Variable Rate maps
- Collected data is analyzed in pre-defined reports



# ORIGINAL PARTS & SERVICE

## LET'S FOCUS ON YOUR BUSINESS

ORIGINAL  
PARTS

- 
- ① LONG LASTING, HIGH QUALITY SPARE PARTS
  - ② OVER 100 YEARS OF PARTS KNOWLEDGE
  - ③ SUPPORT FROM A WIDE NETWORK OF DEALERS
  - ④ 24/7 SPARE PARTS SERVICE
  - ⑤ HIGHLY SKILLED DEALER TECHNICIANS

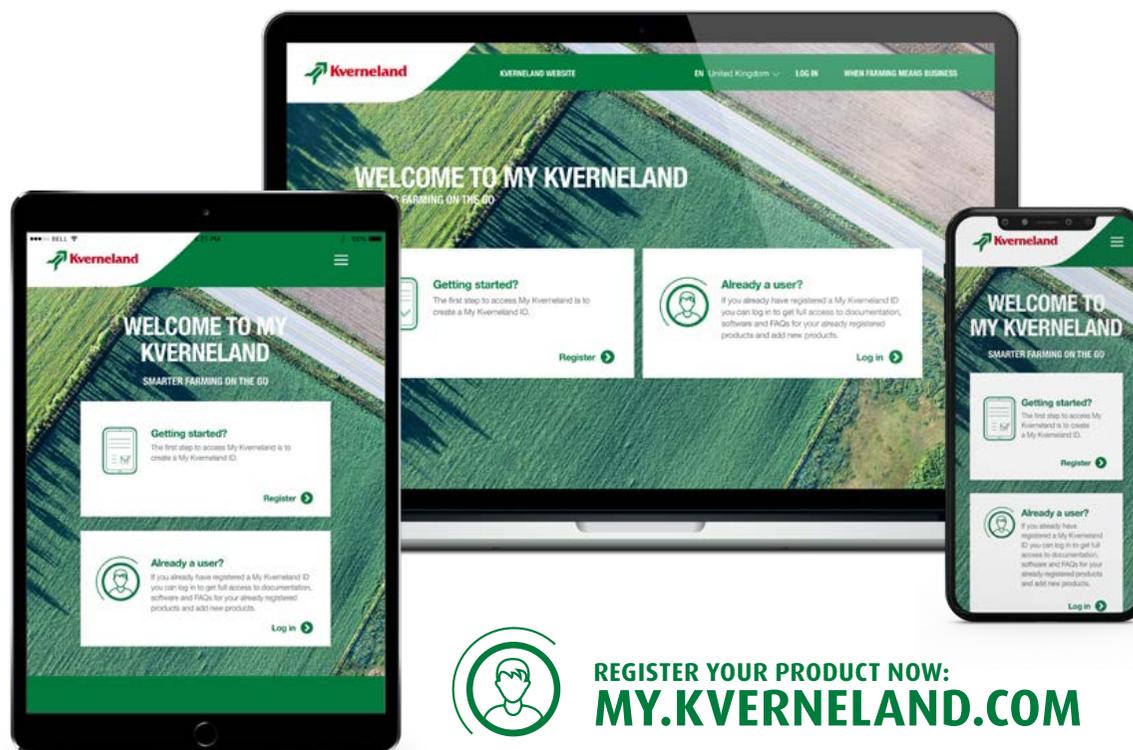
# MYKVERNELAND

## SMARTER FARMING ON THE GO

### A personalised online platform tailored to your machine needs

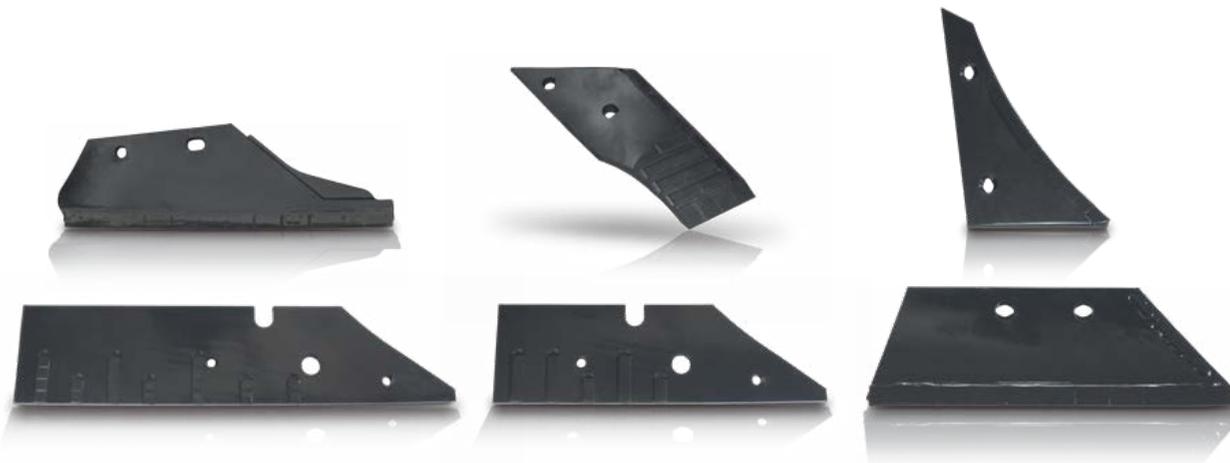
With MYKVERNELAND you will benefit from easy access to Kverneland's online service tools.

Receive first hand access to information on future developments and updates, operator and spare parts manuals, FAQs and local VIP offers. All information is gathered in one place.



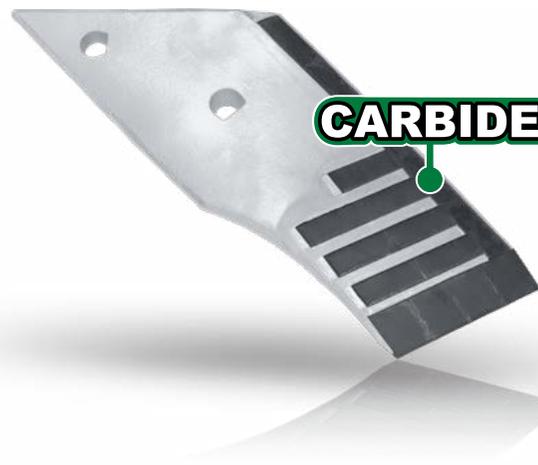
REGISTER YOUR PRODUCT NOW:  
**MY.KVERNELAND.COM**

## XHD CARBIDE REINFORCED PARTS STRONGER THAN EVER



Kverneland's XHD Carbide reinforced parts are designed with the most extreme conditions in mind. With a lifetime up to 8 to 10 times the life\* of the standard parts, they keep costs and downtime to a minimum. Kverneland's tried and proved heat treatment processes paired with ground breaking new designed Tungsten Carbide tiles will provide the best weapon against abrasive soils.

*\*Based on average test conditions. Depending on soil type, moisture content, machine type, working speed, working depth, machine width and mounting position.*



ORIGINAL  
PARTS

Additional protection to steel body

Extremely shock resistant

Avoids wear to the steel point

### Corner Tiles make the difference

The traditional method of reinforcing steel parts is to apply flat tungsten carbide tiles to the surface of the cutting edge. However, these only protect the surface - not the cutting edge.

All cutting edges of the Kverneland XHD range are equipped with Corner Tiles. These specially designed tiles wrap around the leading edge, protecting both the surface and edge from wear and damage. The result is a sharper, long lasting edge - that remains resistant to shocks and breakages from hard impacts.

# TWO YEARS OF WARRANTY

## YOUR MACHINE, OUR RESPONSIBILITY

We believe in our high-quality products! Kverneland machines delivered from 1st September 2022 get a 2-year standard warranty from the date of delivery.\*

### *2-year standard warranty*

More than 140 years of experience in developing products including special steel and heat treatment processes have resulted in unsurpassed quality and wear resistance. Kverneland machine design is the result of a long study, thorough test plans, and passion from experienced R&D engineers to optimize the quality and efficiency leading to high customer satisfaction year after year.

*\*Terms and Conditions apply. For more information, please visit our website.*

**NEW! 2 YEAR WARRANTY**



## KVERNELAND FERTILISER ANALYSIS SET CORRECTLY SETUP YOUR DISC SPREADER



**How to setup your spreader correctly? With this kit you will be able to explain everything about the physical properties of fertiliser which are important to determine to get the most accurate spreading advice and spreading pattern.**

Explain all about the different shapes of the fertiliser with the help of the different samples. Show how you can use the shakerbox to determine the density of the product. And learn how to use the litre weight and scale to find out the weight of the fertiliser.

Then visit [www.kvernelandspreedingcharts.com](http://www.kvernelandspreedingcharts.com) or download the App and in just a few steps, you will be guided to the right settings for your Kverneland fertiliser spreader.



## KVERNELAND SOIL KIT

### MAINTAINING SOIL STRUCTURE

Without checking the soil profile to identify potential areas of resistance it is not possible to determine the correct depth of any compaction or barriers. This is important when planning operations to resolve any problems. You may already be aware of soil compaction but not have the tools to confirm the extent of the problem. For example, unnecessary effort to correct soil compaction by tilling to a deeper depth can be a waste of time and money.

The Kverneland soil kit within a stable case provides the necessary tools to access the soil profile ahead of any cultivation. It includes a Penetrometer which measures the compaction of soil, a knife, folding ruler, brush, shovel and a pair of working gloves. The Kverneland soil brochure included will also provide useful technical information in choosing the correct cultivation practice.

Please ask your local dealer for the Kverneland SOIL KIT to provide you with the correct equipment to improve your soil health, increase yields, save time and reduce fuel costs.





REGISTER YOUR PRODUCT NOW:  
**MY.KVERNELAND.COM**

Safety devices may have been removed from the machines for illustration purposes only, in order to better present functions of the machines. To avoid risk of injury, safety devices must never be removed. If removal of safety devices is necessary, e.g. for maintenance purposes, please contact proper assistance or supervision of a technical assistant.  
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# WHEN FARMING MEANS BUSINESS

[kverneland.com](https://kverneland.com)