



## **ECOMAT & ECOMAT ON-LAND**

ECO-STUBBLE, ECO-TILLAGE, ECO-PLOUGHING



# 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



# 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 has 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**

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

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

# 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 lost of soil and water
- Improvement of soil moisture retention

#### Strip Tillage

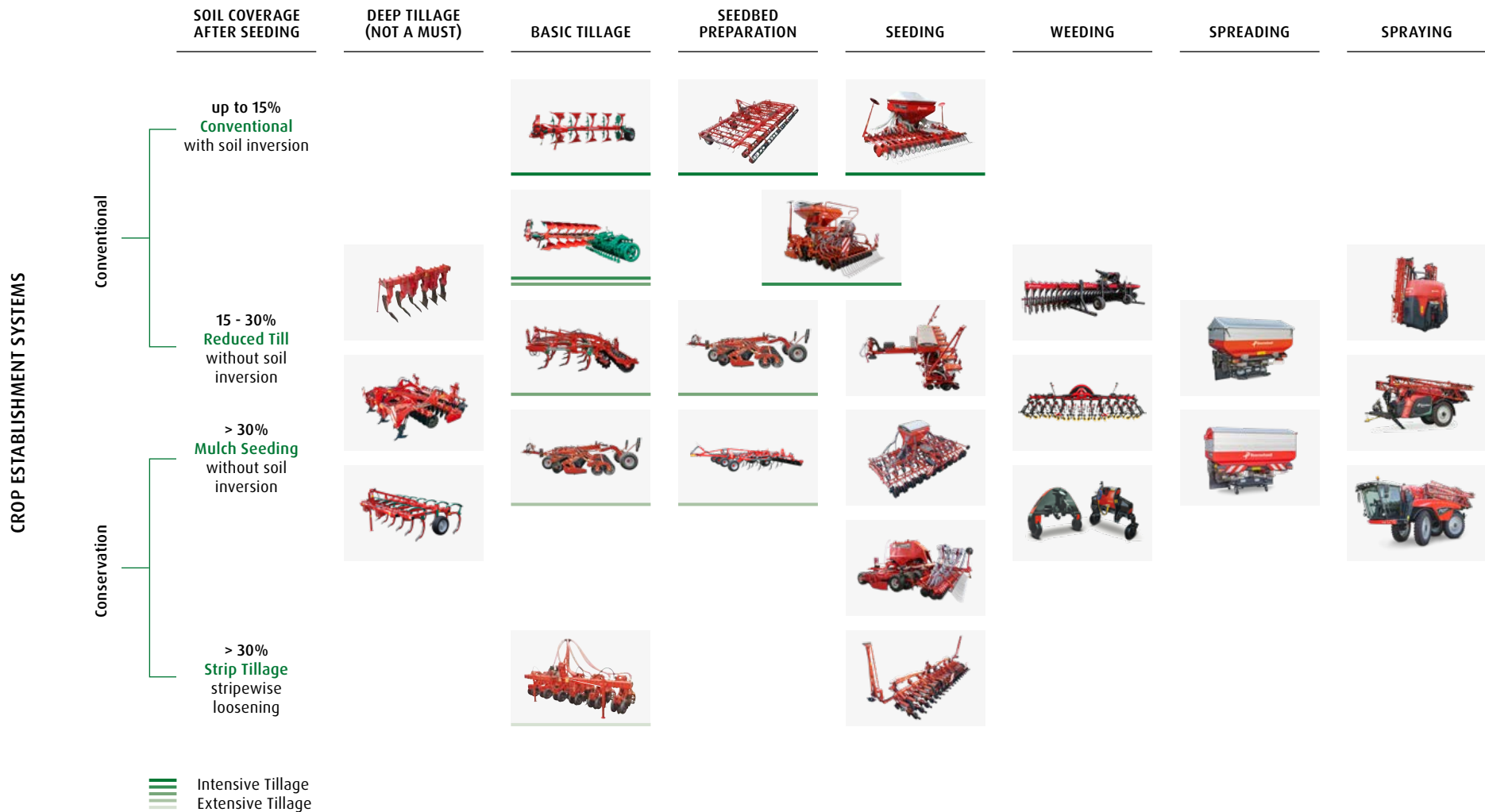
- **Strip-wise** loosening before or during seeding of up to 1/3 of the row width (Loibl, 2006).  
Up to 70% of the soil surface remains untouched
- Strip-till combines the soil drying and warming benefits of conventional tillage with the soil-protecting advantages of no-till by disturbing only the area 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



# PERFORMANCE DRIVEN FOR THE FARMERS SATISFACTION



Ole Gabriel Kverneland

Kverneland is world renowned and unequalled in producing robust & light ploughs for high performance with low operating costs.

### Innovation from the start

In 1879 at the age of 25, Ole Gabriel Kverneland founded his smithy business in a small village south of Stavanger, Norway. Brought up on a farm and educated in agriculture, he subsequently understood all the machinery requirements of farmers. He strongly believed in innovation and manage to produce a mouldboard plough able to withstand the very tough stony soil conditions of Norway.

Over the years, he together with his team of engineers developed special steel heat treatment processes to allow his ploughs to work in the toughest of soil. Using these new steels of unique strength, Kverneland succeeded in manufacturing robust ploughs thus gaining a strong reputation for quality. Today, Kverneland is the leading manufacturer of ploughs with a very strong market position throughout the world.



Ole Gabriel Kverneland: black smith & ploughman. Here demonstrating how well balanced his ploughs are. Even today Kverneland R&D employees are ploughmen.



## THE CONTEXT

typical arable land in Norway





# PERFORMANCE DRIVEN FOR THE FARMERS SATISFACTION

## Customer orientated

The tradition of customer orientated product development has resulted in the long record of innovations and in becoming a **leading plough brand in the industry**. High priority is given to building close relationships with end users. Systematic follow up of individual customer experience helps Kverneland to adapt products to better match **farmer's requirements**.



Kverneland plough factory (Norway)



Forge (1879)





## THE RESULT

high performance Eco-tillage





ROBUST

ECONOMIC TO RUN

HIGH PERFORMANCE



## OPTIMISED SOIL PREPARATIONS TO MAXIMISE PROFITABILITY

The farm to fork strategy is at the heart of the Green deal. When chemicals in farming must be reduced, you may look for an efficient and environmentally-friendly seedbed preparation at shallow depth, high output with a limited soil compaction and a very safe transport. The Kverneland Ecomat series is the answer. It enables 3 types of soil preparations: Eco-Stubble, Eco-Tillage, Eco-Ploughing (shallow ploughing).

### **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 Ecomat series.

### **Economic to run**

The design of a Kverneland Ecomat series 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 soil preparation.

*Kverneland Ecomats adapt to any tractor brands!*

## SMART INNOVATIONS CONTRIBUTING TO PROFITABILITY



Kverneland Knock-on®

### Variomat®, Auto-reset, Knock-on®... Innovations that facilitate the daily work.

A reliable plough is a must for Kverneland. Due to increasingly changing weather conditions, the window to be able to plough is sometimes very short. Kverneland ploughs are known for being **easy to set and to adjust**. Start working efficiently immediately.

#### Variomat®

The Kverneland Variomat® has a lot of benefits. By adjusting the ploughing width from the tractor cabin, you do not waste time stopping to make the working width adjustments. Variomat® allows the optimal match between the soil conditions, the plough and the tractor **for the optimal output**.

Variomat® ensures the correct parallel linkage along the whole plough. The **pulling line adjustments are hence automatic**. Consequently, low draft requirements, low wear and tear, keep running costs low while the field is remarkably ploughed. The following operations are then eased.

#### Auto-reset

The Kverneland Auto-reset guarantees a quality ploughing. The legs release independently one from another. Once the obstruction is passed, the Ecomat body automatically returns to the correct working depth. No downtime. The simple multi-leaf spring system does not require any maintenance either. In addition, the Kverneland Auto-reset system works by **decompression**, which **reduces the stress on the tractor** and guarantees its life time. When considering the price of a new tractor, these substantial savings are real contributors to your profitability.

#### Knock-on®

Kverneland Knock-on® points are changed in a few seconds. It makes sense to **save 90% of your time** in changing points when working in abrasive soils or when having a 5+ furrow plough or Ecomat.





*"A Kverneland plow is strong, light and easy to adjust. You adjust once and you're done."*  
Bjarne Strøm, Denmark



## KVERNELAND STEEL TECHNOLOGY FOR THE COMPLETE PLOUGH

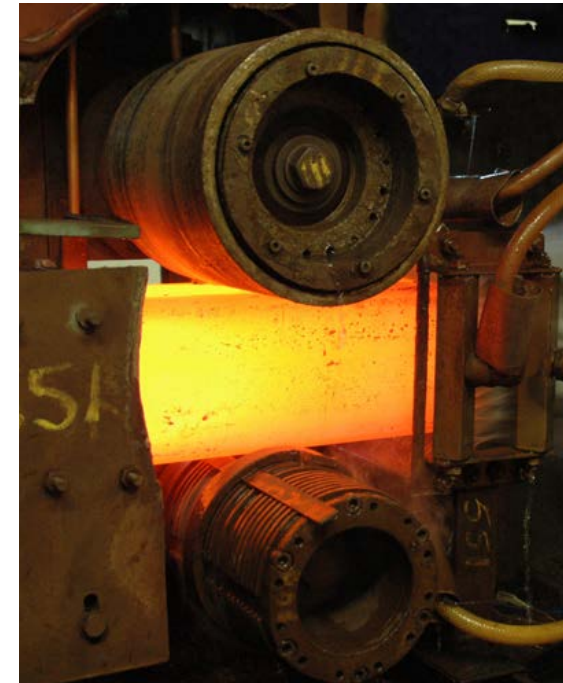
### **Kverneland's unique steel**

More than 140 years of experience in developing special steels and heat treatment processes have resulted in an unsurpassed quality and wear resistance.

The heat treatment processes are carried out and adapted not only to a few selected parts but to the complete Ecomat. This results in implements lighter than competitors' and extremely robust while delivering outstanding performance.

### **Induction hardened frame**

To guarantee the durability of the Ecomat, Kverneland heat treats the frame as well. Most competitors do not. The induction process allows using lesser steel than competitors, therefore less weight to pull and lift while ensuring a higher resistance.









## HEADSTOCKS



### Headstock N° 200

It is fitted to the Ecomat for trouble free operations.  
120 mm heat treated monoblock hollow shaft.  
Cross shafts Cat. II and III.



### Headstock N° 300

Fitted to the Ecomat On-land.  
High quality 150 mm heat treated hollow shaft made from only one piece to withstand the toughest conditions.



# ROBUST HEADSTOCKS

## FOR MAXIMUM DURABILITY

### Two different headstocks

The Kverneland Ecomat series has two different headstocks. Both are constructed from the highest quality steel and are subject to the special Kverneland heat treatment processes which infuse additional properties such as strength and hardness. Strong sealed roller bearings are used for years of trouble-free and [maintenance free service](#).

### Smooth and safe turnover

The headstocks employ a strong 80 mm turnover cylinder, positioned at the rear of the headstock mast to give correct and safe turnover, [even for the largest ploughs](#). The design retains the proven Kverneland concept of having the centre of gravity close to the tractor in order to minimise lift requirement and to improve stability.

### Clever layout of hoses

To avoid the risk of hose damage during the turnover operation, no hoses pass over the turning point of the headstock. Even the valve block is integrated.

### Transport lock

The headstocks are equipped with an integrated transport lock to transport the Ecomat models in the ["butterfly" position](#).

### Front furrow width adjustment

The width of the front furrow is adjusted separately, either with a turnbuckle or with a cylinder for the headstock No 200.

### Sequence valve

The sequence valve controls the reversing cycle of the Ecomat models. It automatically activates an alignment valve which "narrows" the plough prior to reversal. After reversal, the implement returns to its working position. It creates more clearance to the ground for an easy reversal.

### Memory valve

The memory valve together with the memory-sequence valve, which is used on the Ecomat in furrow, is also

activated during reversal. It closes the plough down to the narrowest ploughing width of 12" (30 cm) before reversing. Once the cycle is completed, it returns automatically to the pre-set furrow width.

### Quick coupling

All headstocks can be fitted with quick coupling cross shafts.

### Cross shaft

The Kverneland cross shafts are supplied cat. II, III and IV.

# VARIOMAT®

## OPTIMISED PRODUCTIVITY

### Efficient

The patented Kverneland Variomat® is the most reliable system on the market. It allows the **optimal match** between the soil conditions, the implement and the tractor for the **optimal output**. By varying the furrow width, the work can be kept **straighter**. It is also **easier to work up** to the hedges and **around obstacles**.

By being able to adapt not only the depth but also the width of the furrows, **the best results can hence be achieved**.

### Two different systems

Kverneland Variomat® is available in two variants: with hydraulic (Ecomat) or mechanical adjustment of the furrow width (Ecomat On-land). The hydraulic variant allows adjustments of the furrow width easily from the driver's seat "On the Move". The **pulling line adjusts automatically** thanks to the auto-line.

### Reliable Auto-Line

Kverneland Auto-line is a standard system which guarantees the correct pulling line at any time. When changing the working width, both front furrow width and pulling line adjust accordingly. Kverneland Auto-line system makes these adjustments automatically. No time spent on correcting/adjusting the pulling line when changing the working width.

The position of the headstock remains in the center of the tractor, all the time, ensuring a favorable and an even geometry of the three point linkage. Side pull and unnecessary high landside pressure are therefore avoided. Consequently, the Kverneland Auto-line system ensures an efficient ploughing **with less fuel consumption**.

### Maintenance free

The Kverneland Variomat® system is maintenance free thanks to a **unique non wearing linkage joint** between the beams and the mainframe section. The system consists of a robust 24 mm bolt, a distance tube, two special heat-treated cones and replaceable bushes. No need to spend time on lubrications.

The heat-treatment of **high quality steels** and exacting manufacturing accuracy guarantee perfect beam and body alignment with minimum wear.

### Optimise fuel consumption

By adapting the working width to the soil conditions, the fuel consumption is optimised. Furthermore, when increasing the ploughing width, the fuel consumption per Ha gets reduced and hence **profits are maximised**.



Auto-line system

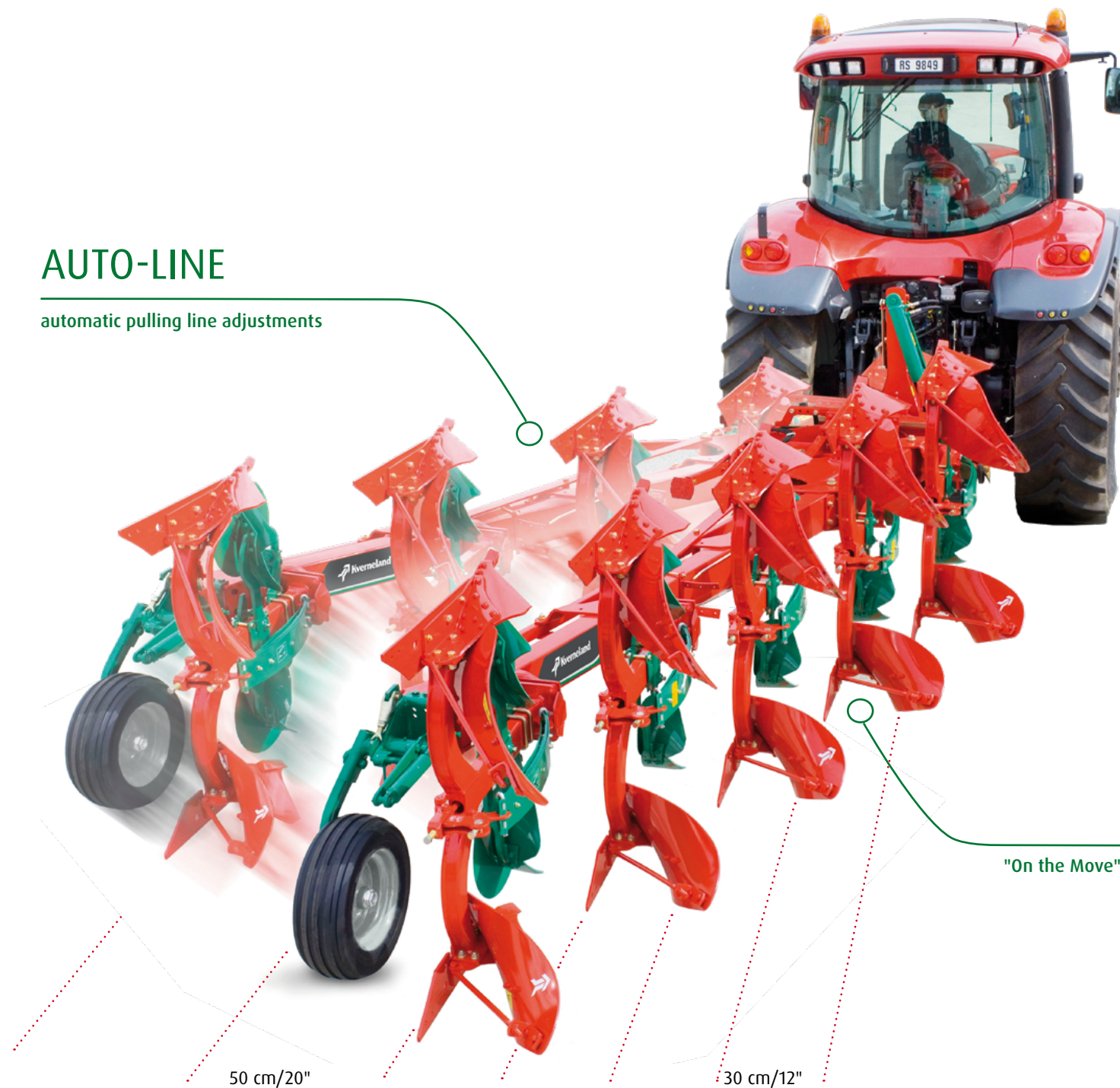


Maintenance free



## AUTO-LINE

automatic pulling line adjustments



## VARIOMAT®

"On the Move" working width adjustments

50 cm/20"

30 cm/12"



# KVERNELAND AUTO-RESET SYSTEM

## EFFICIENT AND MAINTENANCE FREE

### Release characteristics

The diagram shows the differences between three different Auto-reset systems, and how the pressure varies as the body rises (1 cm).

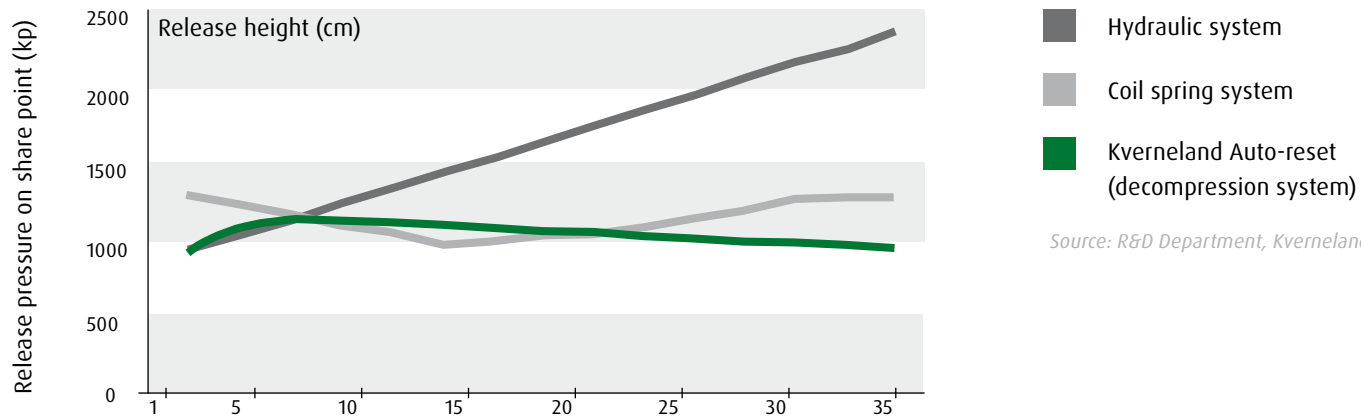
### Conclusion

The unique Kverneland leaf spring Auto-reset system is highly recommended.

### Benefits from Kverneland Auto-reset

When hitting an obstacle, the pressure on the point, frame, Ecomat parts, decreases. The stress on the Ecomat is therefore reduced which **guarantees a longer life** to the implement.

Each body releases independently one from another to come back to the correct working depth once the obstacle passed. This ensures a **quality work**.



Source: R&D Department, Kverneland Group, Klepp 2002







## KVERNELAND ECOMAT SERIES

### EFFICIENT SHALLOW PLOUGHING FOR EXTRA BENEFITS

#### Efficient shallow ploughing

Research shows evidence that in some particular soil conditions, shallow ploughing is recommended. The Kverneland Ecomat series enables a very efficient shallow ploughing from 14-18 cm. It handles well light to medium soils and shows good results in heavy soils.

“Waste grain, plant remains and weeds are mixed into a smaller volume of soil which leads to a higher content of organic materials in the upper soil layer.

Water management is improved. The soil is hence easier to work and the risk of crust formation is reduced. This results in good growing conditions”.

(T. Ryberg, Professor at the University of Agricultural Sciences, Uppsala, Sweden).

#### Better than reduced tillage

Compared to a reduced tillage system, the Ecomat bodies bury plant residues more efficiently.

The Ecomat bodies also improve the mix of trash to soil which ensures that the seeds get in contact with the soil. Lesser trash concentration reduces the risk for fungal attack on the following crop. Chemical usage is reduced. The soil structure is improved. Plants grow quicker. Therefore, the Ecomat bodies ensure a more secure and stable cultivation method with better results.

#### Better than conventional tillage

Compared to a conventional tillage, 20-30 cm working depth for well buried weeds, the Ecomat series enables ploughing from 14 cm up to 18 cm. In principle, the deeper ploughing, the higher pulling force requirements. With the Ecomat, the shallow ploughing only requires a light weight tractor, and hence lesser fuel consumption and risk of soil compaction. The soil structure being less disturbed and water drainage improved, the plants grow quicker and better.





# KVERNELAND ECOMAT BODIES FOR HIGH PERFORMANCE

## Designed for high performance

Kverneland bodies benefit from an outstanding reputation worldwide: **high agronomic performance** and low wearing.

They are efficient from 6 to 18 cm working depths, enabling 3 types of soil preparations: Eco-stubble, Eco-tillage and Eco-ploughing (shallow ploughing).

## Ecomat bodies

The Kverneland Ecomat bodies remain unrivalled performance wise. They are shorter and lower than Kverneland plough bodies. Their cylindrical shape turns the soil fast up to 180°.



Ecomat bodies are available as steel or plastic for sticky, non-stony conditions.

## Eco-ploughing

The standard combination for Eco-ploughing is 2 trashboards and 1 landside knife. The 2 trashboards guide the materials and pre-mix them while the landside knife cuts the dense roots on the surface. With 1 trashboard and 1 landside knife combination, it skims up to 18 cm and guides the materials into the furrow slice.

As a result, the straw and other residues are well mixed, placed at the bottom of the furrow while leaving a trash free surface.

## Body Ecomat

- plastic or steel mouldboard
- specifically designed for the Ecomat series
- working depth: 6-18 cm
- working width: 30-50 cm



Front view



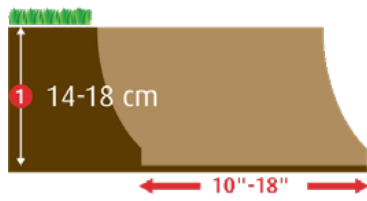
Side view



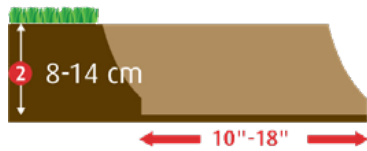
A single trashboard onto a landside knife cuts and guides the residues into the furrow slice



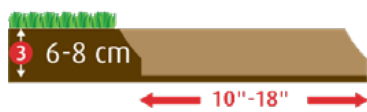
Eco ploughing



Eco tillage



Eco stubble



# KVERNELAND ECOMAT BODIES

## DESIGNED FOR 3 TYPES OF SOIL PREPARATIONS

### **Efficient and flexible**

The Ecomat series is a 3 in 1 implement. Depending on the expected results, seed bed wise for example, and according to the soil and residues conditions, the Ecomat series offers a real versatility.

The Ecomat bodies enable 3 types of soil preparations: Eco-ploughing, Eco-tillage and Eco-stubble. These are achieved by changing the working depth and choosing the best suited Kverneland Ecomat accessories.

### **Accessories**

Additional Kverneland accessories help achieve the perfect results: reversible point, Knock-on®, Quick-fit point and share, landside knife, trashboard, plastic leg protection.

Use trashboards to slice the top of the furrow or alternatively landside knives for light sticky soils. Trashboards can be fitted on the top of the mouldboards or onto the landside knives. Plastic leg covers prevent straw and straw from sticking to the legs.







EFFICIENT

SHALLOW PLOUGHING

180 ° soil turning



# KVERNELAND ECOMAT

## FITTED WITH THE UNRIVALLED ECOMAT BODIES

### Common to the Ecomat series

Kverneland offers 2 Ecomat models: one for in-furrow operations and one for on-land operations.

Both benefit from the same **Ecomat bodies** and **accessories** for the best soil preparations. The Ecomat models robustness and easy adjustments for the highest performance are identical to any Kverneland ploughs. Both are easy to pull and to lift for the **lowest fuel consumption** and the **lowest wear** of parts.

### Kverneland Ecomat

Built around a robust 100 x 150 mm induction heat treated frame, this 5 to 8 furrow implement, has a **working capacity of up to 4 m** (65 cm interbody clearance).

The Ecomat features the trouble free headstock 200 which is recommended for 18-30 Hp/body (110-130 Hp for 6 furrows and 150-180 Hp for 8 furrows).

The Ecomat has **low lifting** capacities: the 1st leg being attached to the sliding rail, the gravity center is hence close to the headstock.

With the **Variomat®**, it is easy to vary the working width «on the move» (12-20", 30-50cm). The pulling line remains correct at any times thanks to the Auto line which guarantees the automatic adjustment of the pulling line when changing the working width.

The **Auto-reset legs** enable a quality result even in stony or heavy soil conditions. For a seed bed preparation, the average speed is 8 Km/h (2,5-3,5 ha/h) while for stubble 3-4 ha/h are expected at a 12 km/h speed.

For an immediate soil re-consolidation, the **Packomat** is available. It does not induce any extra pulling forces or extra fuel consumption. Its transport is pragmatic: placed above the Ecomat, it **follows the Ecomat** in transport. Such transport is possible via the 3 point linkage or the transport wheel.







# KVERNELAND ECOMAT ON-LAND

## FITTED WITH THE UNRIVALLED ECOMAT BODIES

### Kverneland Ecomat On-land

Designed for on-land operations and up to **5 m working capacity**, the Ecomat On-land is easy to lift and to pull. The induction heat treated robust frame 100x200 mm remains fairly light with only 6,3 mm width. Its transversal orientation, the short interbody clearance and its gravity center close to the tractor enable an **easy lifting**. The light weight of the Ecomat parts makes it **easy to pull**. Only 160 Hp for 8 furrows or 200 Hp for 10 furrows can be necessary.

The robust headstock 300 is fitted to the Ecomat On-land making it suitable even for higher Hp tractors.

The On-land operations bear a number of advantages:

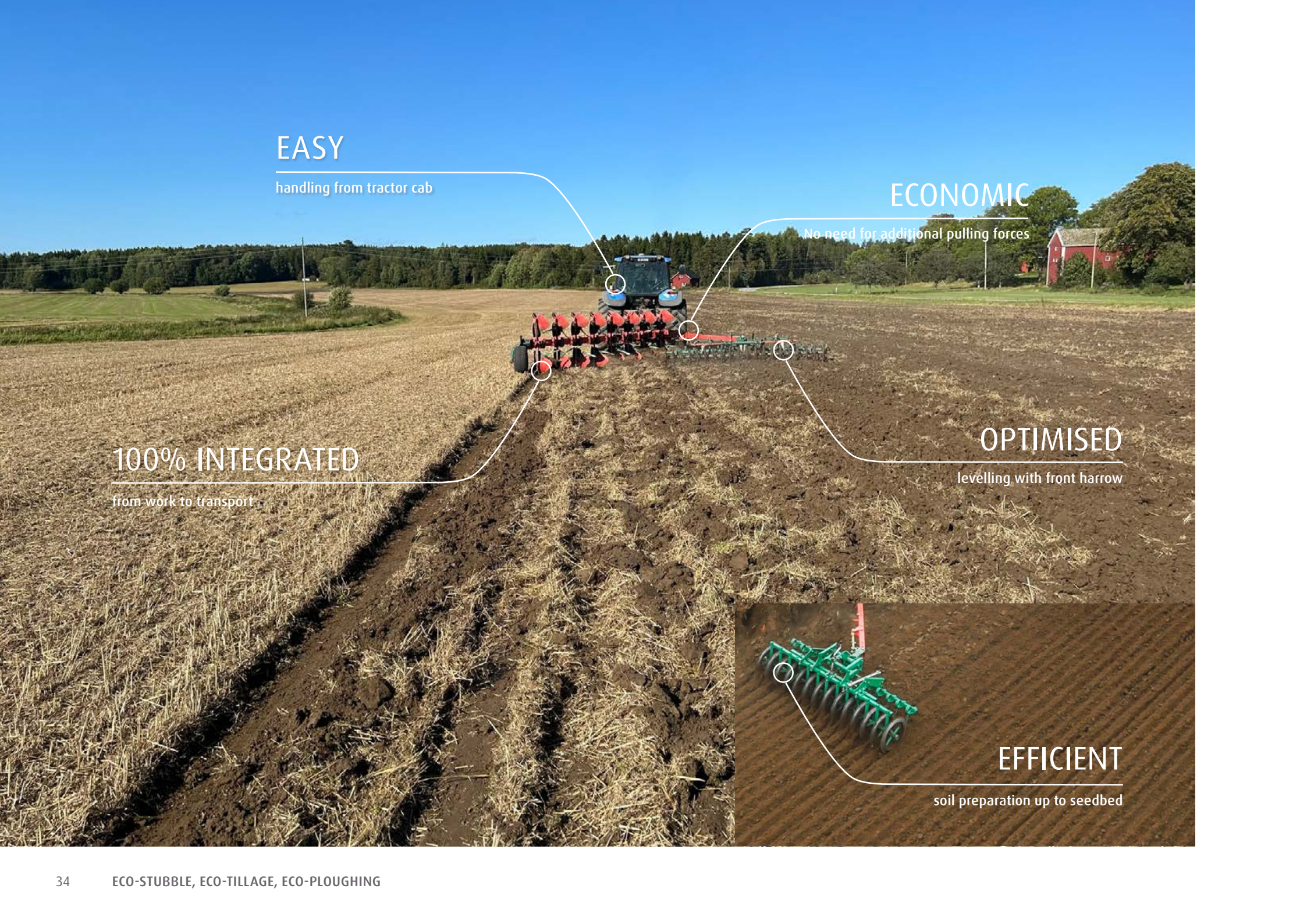
- extra comfort for the driver
- the use of wider tyres, better traction, less fuel
- limited potential soil compaction
- straight furrows via the GPS
- the possibility to work night times
- the improvement of the soil profile in adverse conditions, especially in heavy soil types

Double operations at headlands can be limited thanks to the **wheel unique memory system** that maintains the desired working depth after the reversing cycle.

The Ecomat On-land has **shearbolt leg protections** and features **easy step wise width adjustments** from 30 to 50 cm by steps of 5 cm. Only 1 bolt needs to be repositioned by leg bracket.

For transport, opt for a 3 point linkage or for the transport wheel. The 10 furrow Ecomat On-land is equipped with the **Trailer Transport Solution (TTS)** for extra safe transport: the implement behaves like a trailer with a 45° right/left offset. The implement always remains **lower than the tractor cabin** for an safe transport under bridges for instance. The conversion from transport to working position takes only **1 minute** and vice versa.





# EASY

handling from tractor cab

# ECONOMIC

No need for additional pulling forces

# 100% INTEGRATED

from work to transport

# OPTIMISED

levelling with front harrow

# EFFICIENT

soil preparation up to seedbed



# KVERNELAND PACKOMAT

## EFFICIENT SOIL PREPARATION

### 100% integrated Packer

Packomat follows the Ecomat Variomat from transport to work. Compared to other packers, the Packomat offers **high productivity gains**.

### Easy handling

From the tractor cabin, it is **easy to position** the Packomat for transport or work or even lifted for ploughing on field boundaries.

### Optimised levelling

Choice of front harrows to crush clods and ring diameters to re-consolidate the soil.

### Maximised profits

Packomat contributes to the balance of the Ecomat Variomat in work. **No extra pulling forces** are needed and hence no extra fuel. The landside pressure is actually reduced and therefore the wear of the landsides.

Eco ploughing or Eco tillage and re-consolidating are two operations carried out in **only one pass with no extra cost**. Packomat contributes to maximise profitability.

### Efficient

Packomat **works in any ploughing conditions**. Soil preparation can be extended to seedbed. Available up to 8 furrows, Packomat is an efficient tool. No need for extra manpower for a safe transport.

### Agronomic benefits

The combination of Eco ploughing, Eco tillage and re-consolidating is **efficient and environmentally friendly**. Soils are loosened, organic matters are incorporated to enrich the soils. Weeds are controlled mechanically.

The elevation of temperature of the worked soil is actually positive. The associated water evaporation is limited by the immediate re-consolidation by the Packomat rings. **Water capilarity is hence re-established** for the benefit of the soil life.

*Packomat is a Kverneland invention*







# KVERNELAND KNOCK-ON®

## QUICK & EASY

### Smart

The Knock-on® system consists of **only 2 parts**: a holder fixed to a regular Kverneland share and a Knock-on® point.

### Clever

Kverneland Knock-on® is a **universal system**. Knock-on® points can also be used for cultivators.

### Long lasting

Knock-on® benefits from the **Kverneland steel technology** (quality steels + Kverneland heat treatments). The quality of the steel combined with a clever design ensure a long life to the Knock-on® system. Therefore, Knock-on® points can be used **in any soil conditions**.

### Quick

Knock-on® points are **changed in a few seconds**. It makes sense to save 90% of your time in changing points when working in abrasive soils (points wear quicker) or when having a 5+ furrow Ecomat model.

### Easy

The only tools needed are a chisel and a hammer (2 kg). Field tests reveal that, as an average, 3 points can be mounted on the same Knock-on® holder. **No bolt to unscrew** helps save time. In addition, when the holder is worn out, it is normally also time to change the share, without unscrewing the holder. **Very handy!**

### Agronomic benefits

#### Good soil penetration & Stable in work

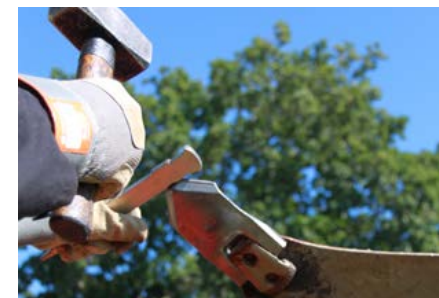
Knock-on® has been tested in several soil conditions. Even in the hardest soils, the points ensure a **good penetration**.

#### Low pulling forces

Kverneland bodies are reknown for their unrivalled low pulling forces. With Knock-on® points, the pulling forces remain **low** and hence the **fuel consumption**.

#### Soil flow protection

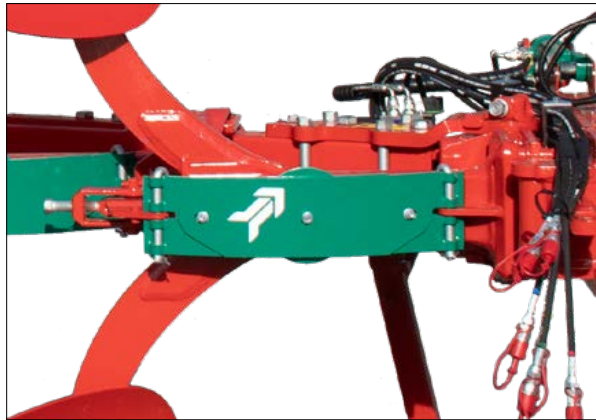
The clever design of Knock-on® actually protects the other parts of the body while allowing an **efficient soil flow**.



Soil flow protects other parts

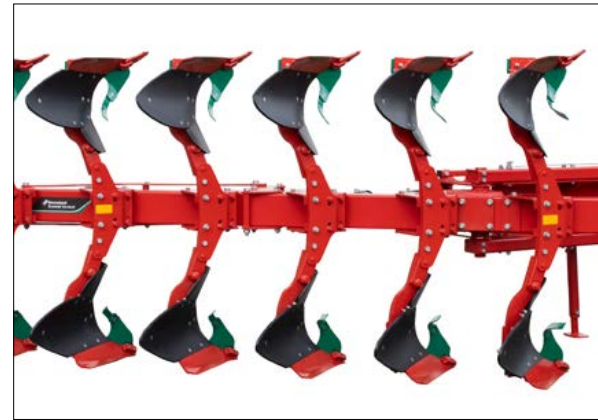
## LEG PROTECTIONS

### LINGER THE EQUIPMENT LIFE TIME



#### **Auto-reset protection (Ecomat)**

The standard Auto-reset system includes 6 Kverneland heat treated springs (7.0 kN). The HD set is meant for heavier to extreme soil conditions: 1 extra leaf spring is added for up to 8.0 kN. This HD set is normally recommended for the first body.



#### **Shearbolt legs (Ecomat On-land)**

3200 kg release pressure.



# ACCESSORIES

## WHEEL RANGE

| Model          | Rear mounted       |       |             |       |                  |             |
|----------------|--------------------|-------|-------------|-------|------------------|-------------|
|                | Single wheel       |       |             |       |                  |             |
|                | Pendulum mechanism |       |             |       | Swivel mechanism |             |
|                | 200 x 14,5         |       | 320/60 x 12 |       | 340/55 x 16      | 420/55 x 17 |
|                | Depth only         | Combi | Depth only  | Combi | Combi            | Combi       |
| Ecomat V       | •                  | •     | •*          | •*    |                  |             |
| Ecomat On-land |                    |       | •           |       | •*               | •*          |

\* = either with mechanical or hydraulic adjustment



200 x 14,5



320/60 x 12

## SMART & SAFE TRANSPORT

### THE TRAILER TRANSPORT SOLUTION (TTS)

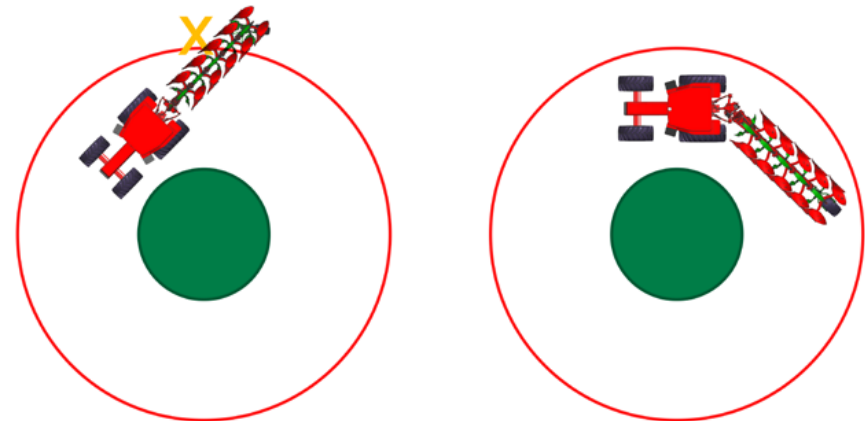
Kverneland revolutionises the transport with the Trailer Transport Solution.

#### TTS

Safety during transport is optimised for the driver and for anyone/anything around. The Kverneland Ecomat On-land behaves like a trailer thanks to a turnable cross shaft (45 degree mutual offset). No tilting when driving in curves.

#### Quick and easy

One can change the Ecomat On-land position from transport to ploughing and vice versa via two pins placed in the headstock.



Maximise safety with the Kverneland Trailer Transport Solution (TTS)





### Ecomat On-land

The TTS is made compulsory for the 10 furrow model.  
For further safety during transport, the implement can be lowered below the tractor cabin for the 8 and 10 furrows.



### Ecomat

The transport of the Ecomat relies on the 3-point linkage or the transport wheel depending on the Ecomat size.

## ACCESSORIES



### Trashboard

2 trashboards guide the materials and pre-mix them.



### Landside knife

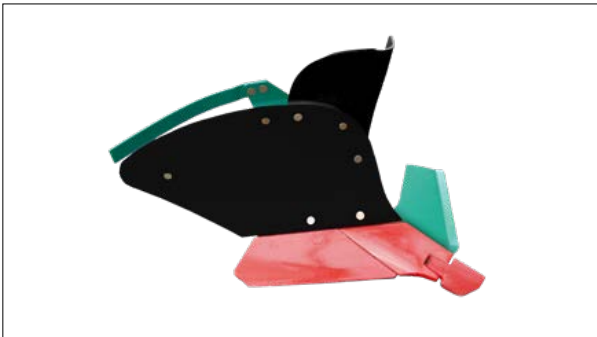
Landside knife cuts the dense roots on the surface.



### Trashboard onto a landside knife

It cuts and guides the residues into the furrow slice.

Plastic leg protection prevents long residues to be trapped on the leg.



### Trashboard and landside knife combination

They skim up to 18 cm and guide the materials into the furrow slice

Plastic body for sticky, non stony soils.



### Eco share

Designed to work 10 cm below the normal ploughing depth. A solution to remove a pan. It consists of a reversible point and a holder.







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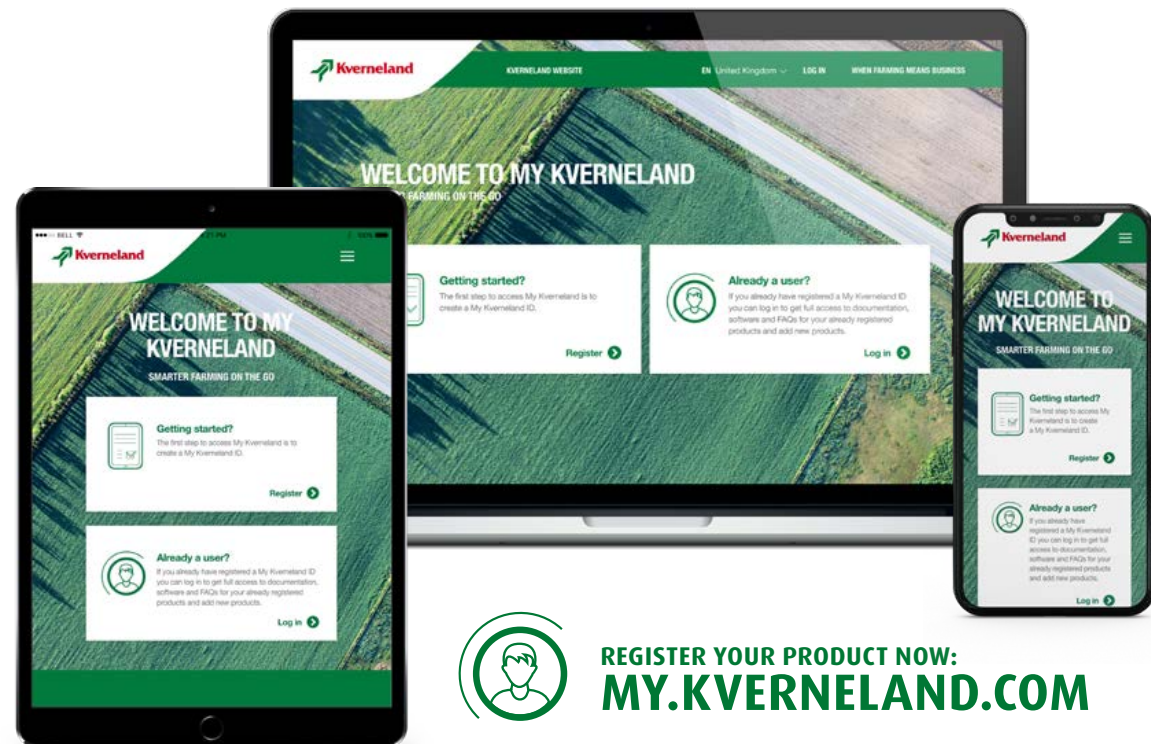
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## TECHNICAL DATA

| Model          | Interbody clearance (cm) | Head-stock | Type of beam | Working width (cm) | Underbeam clearance (cm) | No. of furrows | Weight (kg) |      |      |      | Lift requirement (kg) |      |      |      |
|----------------|--------------------------|------------|--------------|--------------------|--------------------------|----------------|-------------|------|------|------|-----------------------|------|------|------|
|                |                          |            |              |                    |                          |                | 6           | 7    | 8    | 10   | 6                     | 7    | 8    | 10   |
| Ecomat V       | 65                       | N° 200     | Autom.       | 30-50              | 72                       | 6-8            | 1570        | 1680 | 1810 | -    | 3300                  | 4000 | 4780 | -    |
| Ecomat On-land | 65                       | N° 300     | Shearbolt.   | 30-50*             | 80                       | 8/10           | -           | -    | 2150 | 2400 | -                     | -    | 6400 | 7600 |

\* = 5 cm steps

\*\* only 85 cm Interbody clearance



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