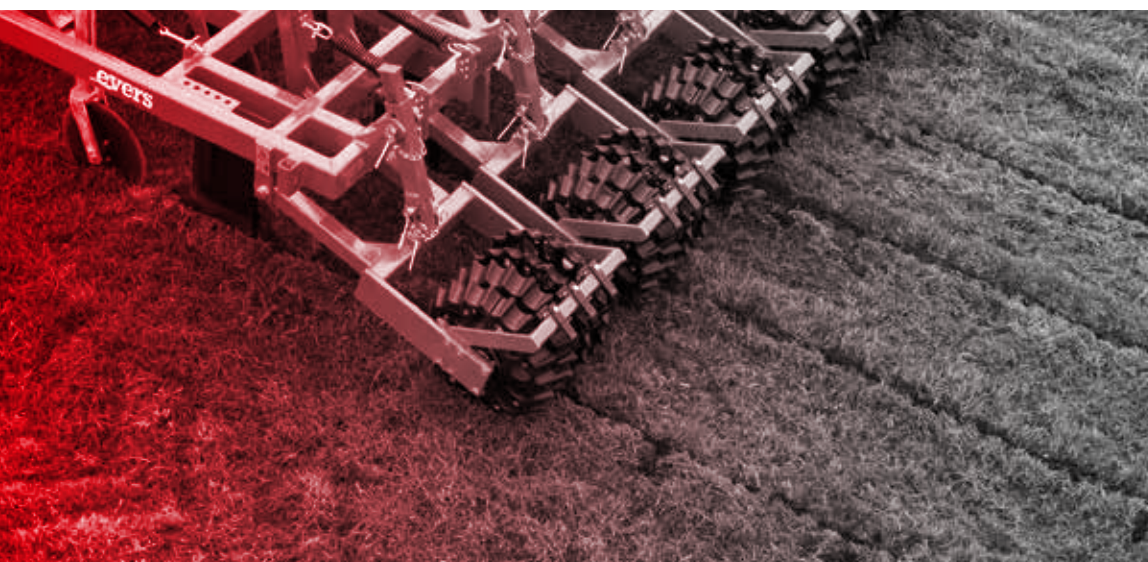


## GRASSLAND MAINTENANCE



## EVERS AGRO B.V.

Custom-made machinery for the entire world.



Developing custom-made machinery to suit the needs of each individual customer. That's been our mission since metalworker Johannes Evers founded our company more than 55 years ago, aimed at building quality machinery tailored to the needs of the neighbouring farmers.

Complex work processes can be very time consuming for those involved. Based on decades of experience and in-depth consultation with end users, Evers Agro

focuses on functionality and practicality in the development of machinery.

We only use high quality and durable materials for our machines. Furthermore our plant in Almelo in the Netherlands uses the latest technology to provide extremely high manufacturing capacity. From here, we deliver appropriate and practical solutions to customers on every continent.

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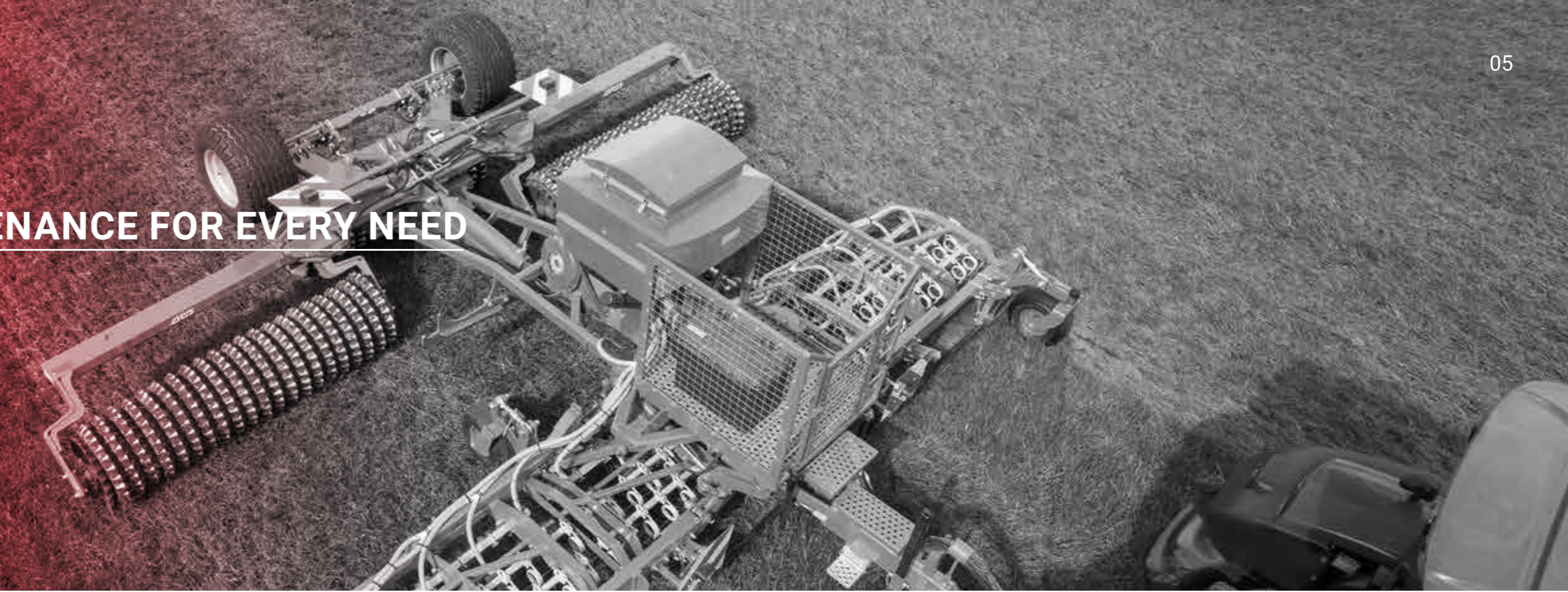
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# GRASSLAND MAINTENANCE FOR EVERY NEED



## Grassland maintenance – the basis for quality and yield.

Grass, hay and silage are essential components for feeding livestock. In the dairy industry, forage ultimately determines the individual performance of the cows, the quality of the milk and which additional nutrients are required to make up for any dietary shortfall. Inadequate forage quality with low energy content not only causes a decline in performance, but also adds substantial costs, particularly during periods when concentrated feed prices are high.

### This is how you maintain your grassland:

Professional care is essential to maintain high yield grassland. The most important mechanical measures, besides regular mowing, are tine harrowing, loosening the soil structure and reseeding. This reduces weeds in the grassland and generates a high yield sward. Reseeding closes gaps and helps prevent preferred grasses from being pushed out by weeds and non-grasses, whilst tine harrowing aerates the sward and clears matting. Weeds with shallow roots are also pulled out of the soil. Loosening the soil promotes oxygen exchange in the soil and the plants take deeper root.



The Evers product portfolio includes all the machinery required for professional grassland maintenance. Custom-made production completes the range of models available.



"The money is in the pasture", because high quality forage ensures high milk yields.



Good soil structure is important for securing maximum yield performance.



Targeted measures revive the soil structure and promote plant vitality.

## Individual grassland maintenance for maximum results

The amount of care required depends on the local conditions on the surface and the use of the grassland. The measures to be taken must therefore be considered on an individual basis.

**Contact us - we will be delighted to advise you on the appropriate application and the best possible use of our machinery.**

The benefits of regular grassland maintenance at a glance:

- ➔ Improved plant growth with higher quality ✓
- ➔ Fewer weeds ✓
- ➔ Less frequent grassland renewal ✓
- ➔ Grassland can be grazed/worked earlier in the spring ✓
- ➔ Higher yield performance ✓

# GRASSLAND SUBSOILER



## The task:

Many livestock farms experience declining grass quality in their fields and pastures. One reason is the intensive use of the grassland. Driving heavy agricultural machinery over the land leads to serious compaction that mostly occurs at depths of 25 to 30 centimetres. Heavy rainfall is then unable to soak into the ground sufficiently and roots cannot penetrate deeply enough into the soil to absorb water and nutrients. As a result, the surface becomes wet with inadequate grass quality.



Compacted soil reduces rainwater drainage. This results in muddy conditions and damage to the sward caused by passing vehicles.

## Our solution:

This is where the Evers Grassland Subsoiler comes in. It carefully loosens the subsoil, breaking up compactions without disturbing the sward. This boosts the water retention capacity of the soil, enabling it to be driven over or grazed on early in the spring. The improved soil structure also ensures that expensive reseeding can be delayed or even omitted.



The Evers Grassland Subsoiler protects the sward and ensures that compactions are broken up for improved infiltration.

Heavy spring-loaded rollers made of ductile cast iron.

Shear bolts prevent obstacle damage and a hydraulic reset obstacle protection device is optionally available.

Simple depth setting (15–45 cm) using adjustment holes on each roller segment.



Cutting discs: stepless height adjustment, spring-loaded and contour-following.

V or W shaped formation of the tines makes work easy, even in heavy soils.

The MT tines are made of Hardox steel and are fitted with a reversible replaceable knife.

Illustration as example for grassland subsoiler

The spring loading with 12 settings ensures maximum weight transfer to the individual roller segments for optimal surface levelling.



Destruction of the sward when loosening is prevented by the contour-following cutting discs



The easily replaceable chisel points are 6 cm or 25 cm in width. Another optional extra is the hydraulic stone protection device.



Cutting, loosening and closing in one operation. The soil can be loosened down to a depth of 45 cm.





## The highlights

### Improved drainage and water absorption

The special design with the MT tines prevents any mixing of the upper and lower soil layers. The disc running in front of the tines makes a narrow cut in the sward so that the soil can be loosened. After this process, the sward is then able to absorb sufficient water and has improved permeability. Loosening also benefits the oxygenation of the soil. Raised oxygen content improves root development and thus boosts the absorption of water and plant nutrients.

### Soil levelling using orion rollers

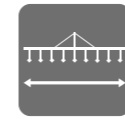
The Evers Grassland Subsoiler permanently improves the quality and yield of meadows and pastures. To close and restore the surface of the sward after loosening, the Grassland Subsoiler has a spring-loaded Orion roller behind each tine. The rollers also set the optimal working depths between 15 cm and 45 cm.

### Protection against overload and stone impact

In the standard model, shear bolts prevent the tines of the Evers Grassland Subsoiler from overloading. A hydraulic reset obstacle protection device is available for use on stony soils, protecting the machinery from obstacles. These functions also ensure the unrestricted utility of the Grassland Subsoiler on stony soils.

## CUSTOM-MADE GRASSLAND SUBSOILER

If the basic models do not meet your requirements, you will find additional equipment options here.



Working widths 150–630 cm



Tine spacing 50–180 cm



Number of tines 2–7



Frame hydraulic or rigid (height 75 cm)



Power requirement > 70 HP



Weight > 680 kg



Chisel points 6, 25 or 38 cm



Roller type Orion or Pictor, various setting options

Accessories → Warning sign with lighting and reflectors

→ We will be happy to help you select the right grassland subsoiler for your individual farming conditions.

# GRASSLAND AERATOR



### The task:

Grassland surfaces are often subjected to heavy use. Intensive grazing, excessive rainfall and the use of heavy machinery results in compaction and smearing in the upper part of the sward. Aeration of the soil is required to ensure that grass growth and quality are not jeopardised.



Flooding and erosion are often the result of inadequately maintained grassland surfaces.

### Our solution:

The Evers Grassland Aerator effortlessly removes compaction in the upper soil layers, improving aeration and drainage of the sward. This enhances water retention capacity of the sward – the upper soil layer drains the water more quickly and sufficient oxygen reaches the roots. This increased level of oxygen is essential for high performance grass renewal and improved grass quality.



The Evers Grassland Aerator improves soil aeration and permeability, preventing damage to the soil surface and boosting grassland quality.

Robust and stable frame construction.

Robust support brackets for additional weights are essential for adequate penetration of all soil types.



Skids to protect the bearings and limit depth.

High quality axles for long service life.

Specially developed and extremely effective blades leave the sward undamaged.

Illustration as example for grassland aerator

Front design also available for even more effective use.



Four blades are attached to each rotor with a cutting edge on both the front and back.



Virtually wear-free blades with a max. working depth of 185 mm. Angle adjustable for even more intensive work.



Optional upgrade: additional steel or concrete weights.





## The highlights

### Aeration without damage

The Evers Grassland Aerator is equipped with 24 blades per metre and has a maximum working depth of 185 mm. The hardened blades are designed to avoid damaging the sward on extension or retraction. Thanks to the sharp cutting edge on the front and back of the blades, the sward remains intact, even when the axle is set at an angle, so that the blades are more effective.

### Protection by using skids

The skids under the flange bearings of the Evers Grassland Aerator not only protect the flange bearings, but also limit the maximum working depth, ensuring that the sward is not damaged. The skids are integrated into the frame and are made of robust steel.

### More weight – more depth

For improved penetration in hard and dry soils, the Grassland Aerator can be loaded with weights, enabling an outstanding result to be achieved even under difficult conditions. Weight support kits made of concrete or steel each weighing 100 kg are available.

### Flexible width

The machine is available in working widths of between 200 and 900 cm. The Grassland Aerator can be fitted with a set of wheels to ensure smooth operation for the larger working widths.

## CUSTOM-MADE GRASSLAND AERATOR

If the basic models do not meet your requirements, you will find additional equipment options here.



Type

Rigid frame, two and three section hydraulically folding



Working widths

200–900 cm



Number of knives

48–240



Power requirement

50 HP and higher



Weight

570 kg and higher

### Accessories

- Robust support brackets for additional weights
- Mechanical lifting device
- Levelling bars
- Front version
- Trailed version with tow bar
- Warning sign with lighting and reflectors

→ We will be happy to help you select the right grassland aerator for your individual farming conditions.

# GRASSLAND REJUVENATION



## The task:

Working grassland mainly serves to care for and maintain the sward. Optimising the performance of the sward is essential for the production of high quality forage and thus forms the basis for the yield in modern dairy farming. Damaged swards allow unwanted weeds to gain a foothold, considerably reducing the nutrient value of the grassland. Grass seed suppliers recommend that you sow an annual maintenance quantity of 8 to 20 kg of grass seed, preferably in late summer.



Damaged swards allow unwanted weeds and grasses to gain a foothold.

## Our solution:

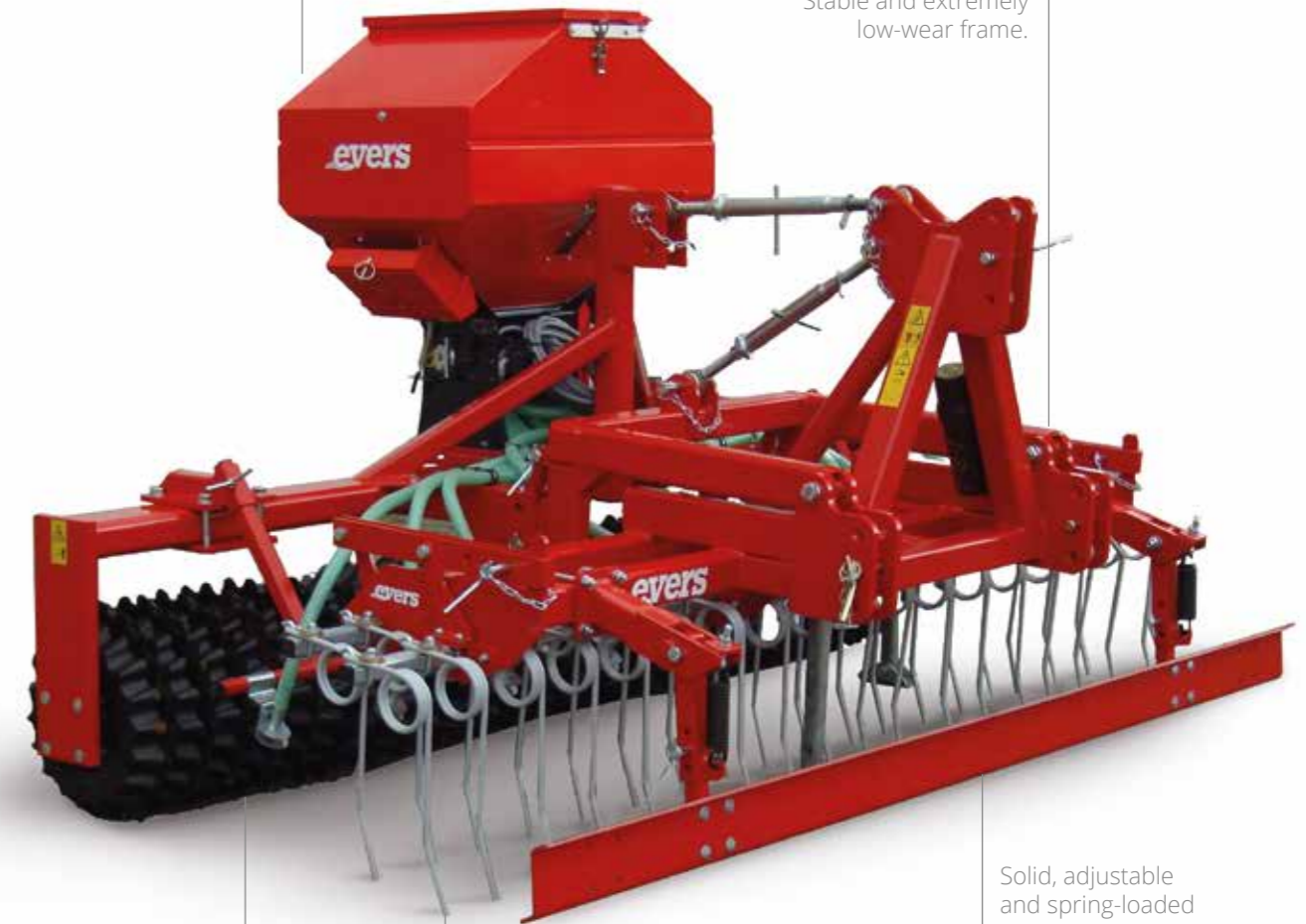
The all-rounder – sowing, renewing and levelling – the Evers Grass Profi is a versatile, extendable machine that combines four work steps in the area of sward care. The levelling plate, spring tines, sowing machine and roller form a functional unity. The individual components of the Grassland Profi can also be used separately.



Reseeding closes gaps and prevents unwanted plants from coming up.

Sowing machine for precise and extensive reseeding of grass in all quantities.

Stable and extremely low-wear frame.



Inserting the grass seed and rolling the Grassland using Cambridge or Pictor roller.

Solid, adjustable and spring-loaded levelling bars.

Very robust spring tines (12 mm).

*Illustration as example for grassland rejuvenation machine*

Also available as front tine harrow for even more effective combination work.



The robustly constructed spring tines aerate the sward and remove weeds and grass with shallow roots, such as bluegrass.



If required, the machine can be fitted with an alternative roller suited to the local conditions.



Optionally available with mechanical (230 L capacity) or pneumatic seeding machine (500 L capacity).







## The highlights

### Also effective separately

The individual components of the Evers Grass Profi – comprising tine harrow, seeding machine, roller and levelling bar – can also be used separately.

### Grassland tine harrow solo

The Evers Grass Profi can optionally be used with a grass tine harrow mounted in front or at the rear. The Grass Profi is fitted with spring tines that remove dead grass, annual bluegrass and meadow bluegrass, leaving the preferred stronger grass in place. The robust 12 mm thick tines prepare loose soil into which the grass seeds can then be sown. The angle of the tines is adjustable, so that the intensity and level of penetration by the spring tines is variable.



### Grassland roller solo

Evers has a wide range of rollers that can be integrated into the machinery as required or used on their own. There is a model to suit every requirement, from Pictor, via Tube, to Trapeze, Saturnus or Orion roller. Built into the Evers Grassland Combination, the rollers press in the grass seed after sowing, ensuring optimal new growth. This also enhances the capillary effect and prevents unwanted evaporation. The standard installed AWL system ensures optimal weight distribution and all rollers are compact, even with large working widths, making them safe during transport.



## CUSTOM-MADE GRASSLAND COMBINATION

If the basic models do not meet your requirements, you will find further equipment options here.



Type

Trailed or hitched (three sections hydraulically foldable with harrow frame and row of tine harrows)



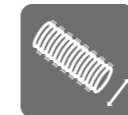
Working widths

200 cm and higher



Roller type

Cambridge, Pictor



Roller diameter

44/49 cm, 53 cm, 56/62 cm, 62 cm



Power requirement

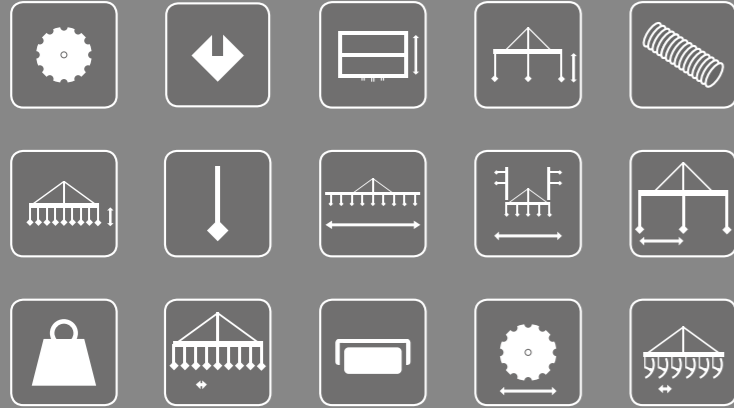
90HP and higher, 120 PS (hitched)

Accessories

- Levelling bars
- Braking device
- Mud guards
- Warning sign with lighting and reflectors

→ We will be happy to help you select the right Grassland machine for your individual farming conditions.

## CUSTOM-MADE MACHINERY



### Our speciality – custom design

Whether it's soil preparation, slurry technology or grassland maintenance, our varied product portfolio includes machines with extensive equipment options in the standard range. If anyone is unable to find what they are looking for, Evers offers custom-made machinery. Features of the machines can be changed or adapted, including working widths, types of parts and technical functions.

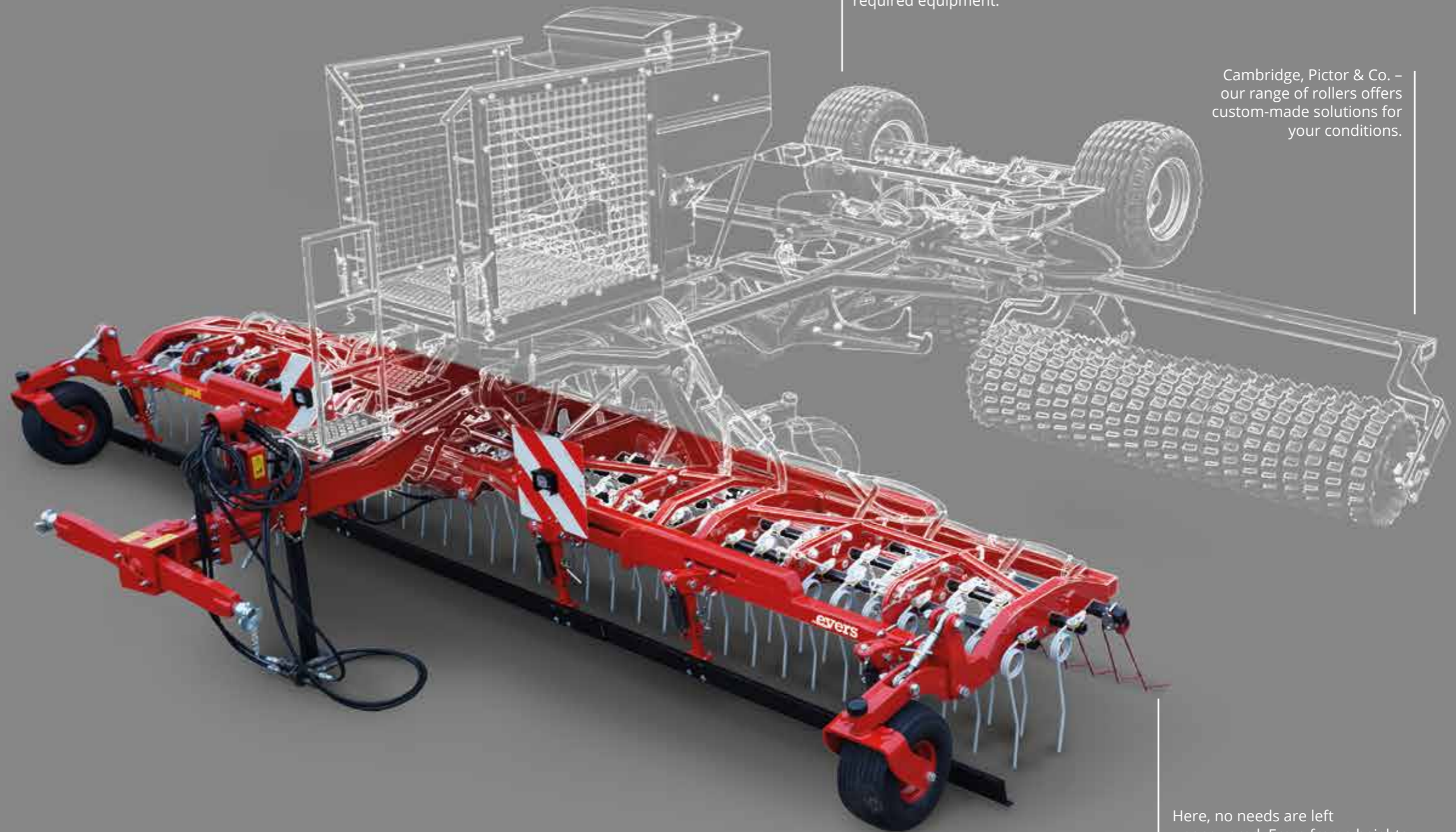
Build configuration is facilitated by combining standard and optional pre-built modules that are then assembled to create your own personalised machine, all based on a professional design drawn beforehand.

Thanks to the extensive experience of our engineers, machine function can be tested quickly and fabrication in the workshop can begin.

**Please ask our staff, who are available at all times, for advice.**

The modular structure of our products means we can offer a wide range of machinery options. Each basic model can be extended and assembled with the required equipment.

Cambridge, Pictor & Co. – our range of rollers offers custom-made solutions for your conditions.



Here, no needs are left unanswered. From frame heights, working widths to the number of tines – everything can be adjusted to your requirements and manufactured individually.



” On our grassland, we use a 5-tine Evers Grassland subsoiler to eliminate disturbing layers. Better water permeability, deeper rooting and thus better nitrogen utilisation make stronger grassland. The positive effect is not immediately visible but the benefit of better quality grassland is definitely visible in the long term. In short: more revenue at minimal cost, who wouldn't want that? “

*Wilco van de Brink, contractor in Ede, The Netherlands*

## OTHER PRODUCTS:

