Kverneland

# FASTBALE

## NON-STOP BALER AND WRAPPER

# 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.

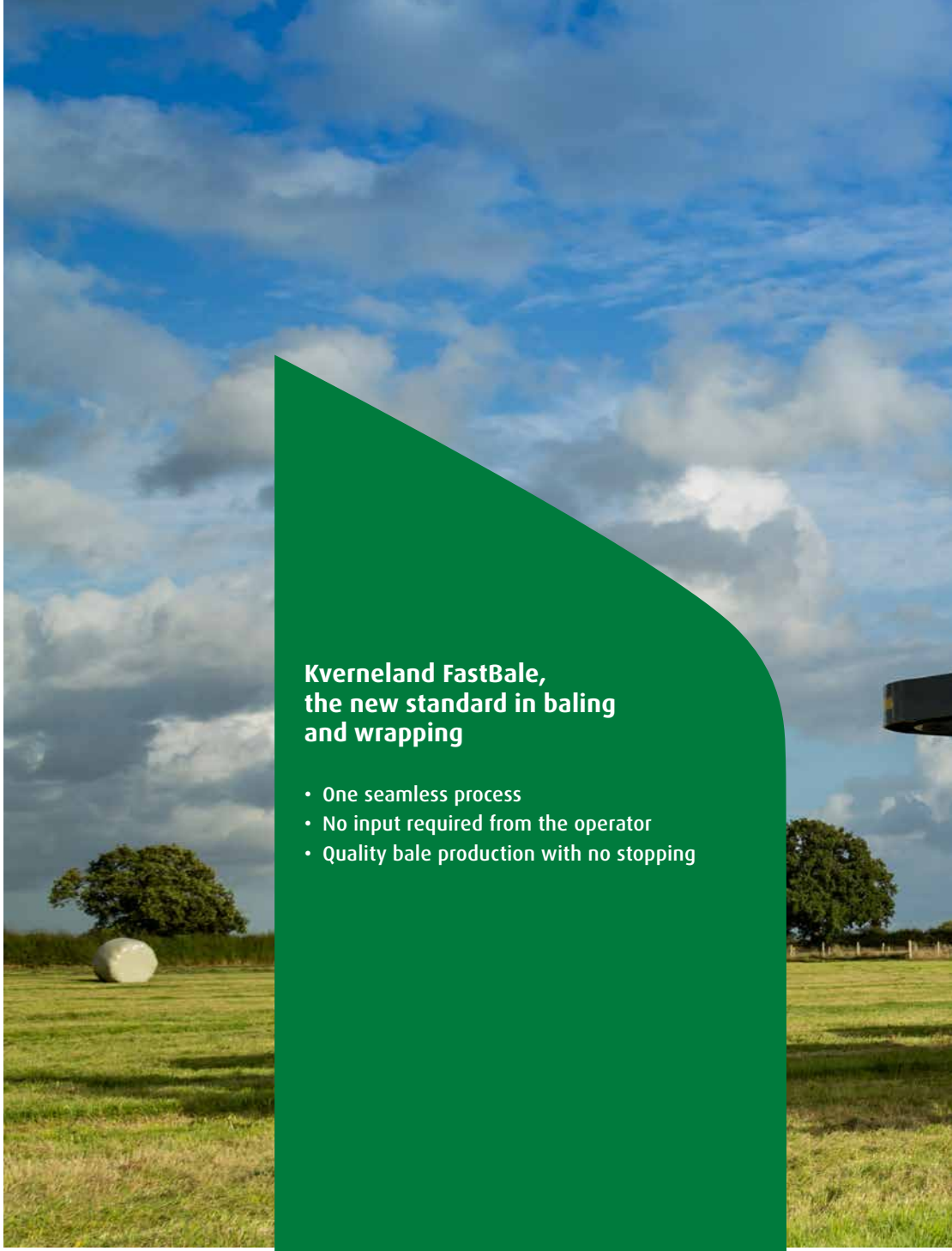
# BALE

As a professional engaged in baling and wrapping, you pride yourself on providing the best result for your customers.

The need to satisfy ever increasing demands, while simultaneously improving the quality of the job being carried is a given.

# IT'S A BREAKTHROUGH!

Baling and wrapping non-stop. With Kverneland FastBale you can continue baling without having to stop to release the bale. No more clutching and waiting for binding and bale discharge. Compare the time spent stationary every day with a traditional baler, and the time saved by FastBale really is a revelation.



**Kverneland FastBale, the new standard in baling and wrapping**

- One seamless process
- No input required from the operator
- Quality bale production with no stopping

Vervaeland
FastBale

NON-STOP
baling
SMOOTH
bale transfer
MASSIVE
intake rotor
HIGH
density bales
EXTRA
wide pick-up
NEW
wrapping Concept
Kverneland
FastBale

**Non-stop baling** means reduced stress and fatigue for the operator, leading to improved operational efficiency

## Increased output

Baling non-stop saves 15-18 seconds for every bale made. During a typical 300 bale day, this can give a time saving of over 1½ hours per day

## Compact size

Despite its non-stop capacity, FastBale is smaller than other competitive baler wrappers, ensuring easy field access and stress free road transport

**Simple bale transfer** system and high speed vertical wrapping system ensure high output and gentle bale release

**Fully automatic operation,** with animated real time display, keeps the operator relaxed and fully productive throughout long working days

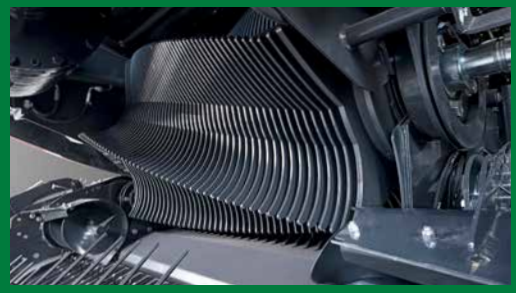
# HIGH DENSITY BALES
## CONSISTENTLY GOOD RESULTS

### Outstanding Quality

FastBale's unique twin chamber concept results in the production of bales of outstanding quality. The incoming crop flow is first directed into the pre-chamber, were it is fully compressed. Once the pre-chamber is full, the incoming crop flow is then directed to the main bale chamber and simultaneously the pre-compressed crop from the pre-chamber is also transferred to the main bale chamber. The bale is then fully formed in the main chamber until the required density is reached. This unique double compression of the crop results in bales of superior density compared to those produced by conventional balers.

### Massive intake rotor

Equipped with 50 Hardox® tines, FastBale has unrivalled intake capacity. Close mounting of the pick-up to the rotor eliminates any dead areas when working in short crops, while the 25-knife SuperCut chopping system features group selection giving a choice 6, 12, 13, or 25 knives to match all conditions, all backed up with the security of a drop floor in case of blockage.



Hardox® is a registered trademark of SSAB Technology AB, Sweden.

25 Knife chopping system with drop floor facility and group selection.

## 2.2m extra wide pick-up

FastBale's pick-up is equipped with 5 tine bars, with each bar supported by two intermediate bearings, while a cam track at both ends reduces cam loadings by 50%, giving assured long term durablity.

A unique internal drive system keeps overall width to a minimum, with the result that pick-up guide wheels do not need to be removed or folded for transport, reducing unproductive time between jobs.

Completed bales are discharged directly onto the wrapper.

## Smooth bale transfer

FastBale bale eliminates transfer systems seen on other baler-wrapper combinations. Completed bales are discharged directly from the bale chamber on to the wrapper. The wrapper is then raised allowing the twin satellites to wrap the bale. Direct bale discharge onto the wrapper reduces complexity and speeds up the process.

*Quality bale production with no stopping - one seamless process.*

# SMART WRAPPING
## AND GENTLE FILM HANDLING CONCEPT

### Fast & stable wrapping platform
Twin satellites wrapping at up to 50rpm give FastBale class leading wrapping capacity. With their unique horizontal mounting position they avoid crop build-up associated with many traditional systems. The wrap-around rear frame also eliminates any possibility of bales rolling off the wrapper when working on steeply sloping land.

### Gentle film handling
Film cut and hold utilises the 'gather and cut' principle, which reduces stress on film and provides more reliable start-up at the beginning of the next cycle.

Wrapped bales are discharged by raising the rear roller. This gentle action drops the bales with no rolling momentum, minimising the possibility of film damage, while also reducing the risk of bales rolling away when working on sloping land.

### Film on Film
FastBale is available with a film on film option. Benefits of this technique include improved silage quality, easier handling and feeding out of bales and simpler recycling of plastic waste.

### FastBale non-stop technology brings added benefits when working with Film-on-Film
Conventional baler-wrappers have to stop to apply net to the bale, which takes at least 5 seconds, plus more time to open/close the tailgate. Wrapping with net replacement film needs more wraps due to the 'tail' which has to be formed at beginning and end of cycle.

This results in the binding cycle taking over 10 seconds – so at least 5 seconds extra spent stationary for every bale made. FastBale continues baling during binding so all of this time is saved.

Switching from film to net requires no mechanical adjustment, other than to change the roll over, different stretch ratios can be easily selected on the control terminal by the operator.

## Gentle bale discharge

Unique gentle bale drop method works fully automatically (auto drop can be over-ridden at any time when working on sloping land).

Kverneland
FastBale

# COMPACT SIZE
## – EASY TRANSPORT!

Despite its non-stop capability FastBale's extremely efficient packaging makes it very compact. It's small size is a huge advantage for ease of transport. With a class leading transport width of only 2,76m* FastBale has more compact overall dimensions than its main competitors.

* With 600/55-26.5 wheels

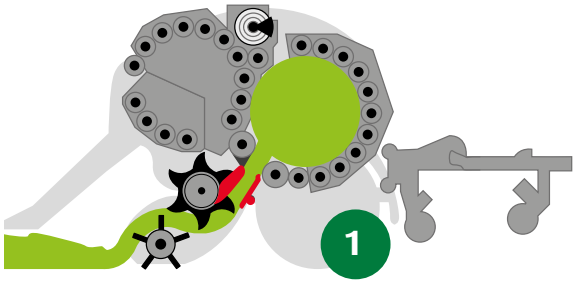
The innovative wrapping system breaks new ground for compactness. During transport, the rear roller and satellites are folded to the vertical position, considerably reducing overall length, while all wrapping elements are safely clear of any obstructions. Film rolls are also protected during transport by the satellite arms. The minimal tail swing allows easy access to even the tightest fields and gateways.

*Short overhang – easy field access*

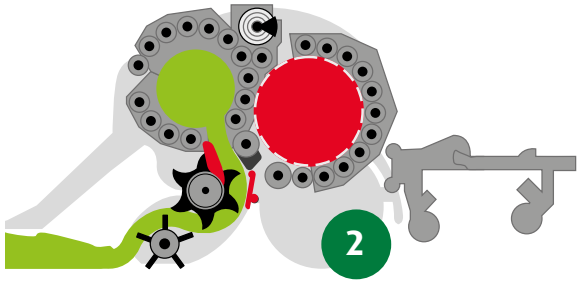
# FASTBALE – NON-STOP
## HOW IT WORKS

### Two bale chambers

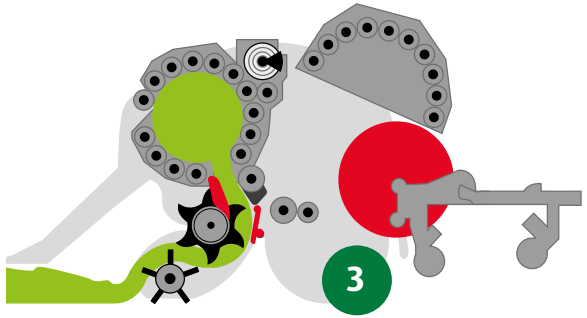
FastBale features two bale chambers – a full sized main chamber and a pre-chamber which is about two thirds of the size of the main chamber. Baling starts in the conventional manner with the main chamber producing the first bale. However, once the bale is fully formed, instead of having to stop to apply the net, FastBale diverts the crop flow to the pre-chamber. This allows the net to be applied to the bale in the main chamber and for the bale to be ejected onto the wrapper. When the pre-chamber is full, the incoming crop flow, together with the pre-compressed crop are both then transferred into the main bale chamber. Here the bale is formed to its final size and density.



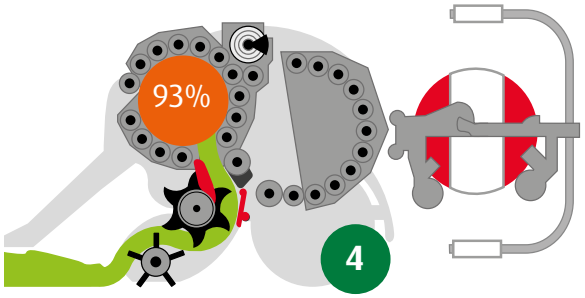

The bale is formed in the main bale chamber in the conventional manner until the required density is reached.



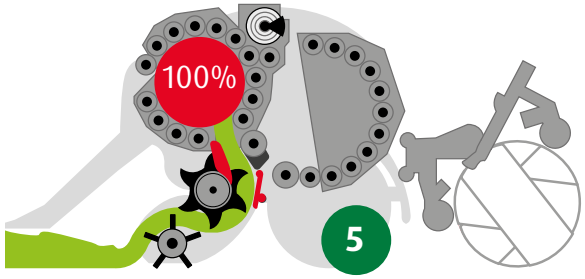

When the bale is fully formed, the crop flow, is diverted to pre-chamber, while net is applied to the completed bale.



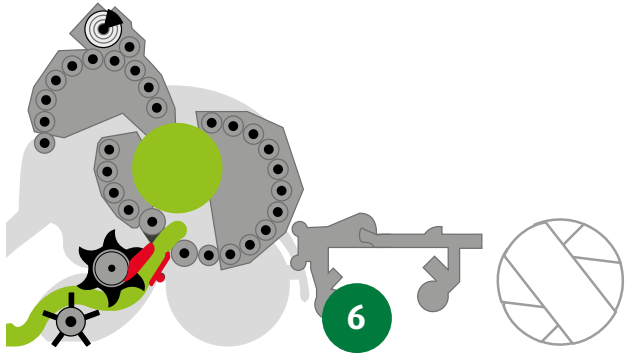

The tailgate opens and the completed bale rolls directly on to the wrapper by gravity.




The wrapper is raised to its working position and wrapping commences.




Crop flow continues to fill the pre-chamber until the pre-set density is reached.




Crop flow and pre-compressed crop are transferred to the main bale chamber.

## Easy loading net system

FastBale is equipped with a hydraulically operated net roll lifting device, providing easy loading. The net cradle lifts the roll to the correct position, it then simply slides into the net system. The device also conveniently stores a spare roll of net.

# OPERATOR CONVENIENCE
## FASTBALE – SIMPLE FILM LOADING

**Convenient film roll changeover**
Simple film roll loading using the remote slow speed satellite rotate button. Both rolls can be changed while standing in the same position.

**10 roll capacity**
Two rolls of film in use, with on machine storage for a further eight rolls.

# SMART BALE
# TURNING SOLUTION

## Compact Bale turner

The optional bale turner utilises the lifting action of Fast-Bale's rear wrapper frame to turn the bale while still on the move, maintaining the non-stop capability of FastBale.

This ingenious solution is very compact – during the bale wrapping process the bale turner is stowed under the front wrapper roller. This smart solution also means the bale turner does not need to be folded away manually prior to road transport, once again reducing downtime and operator effort. If the bale turner is not required, it can be left in place and simply locked in its parked position with the operating link disconnected, allowing bales to be discharged in the conventional manner.

# DRIVELINE & MAINTENANCE

## Heavy duty driveline

FastBale incorporates a heavy duty driveline designed to provide long term durability over many thousands of bales. FastBale is equipped as standard with 1000rpm PTO input speed, reducing torque loading on your tractor PTO clutch.

Bale chamber drives feature 1¼" pitch drive chains, while the rotor drive is equipped with a 1¼" Duplex chain. All rollers are specified with 50mm diameter bearings, with double-row roller bearings on the drive side.

Bale chamber rollers and rotor bearings are lubricated by an automatic greasing system, while chains are provided with an oiler system with individually adjustable outputs to each chain.

An 'IsoMatch Eye' rear view camera combined with the optional large screen Tellus Pro terminal allows the operator to keep a check on the wrapping process and safe bale discharge.

# IN CONTROL
## FULLY AUTOMATIC OPERATION

### Easy to use control system

**In normal operation FastBale works fully automatically, with even the completed bale drop being automated (auto drop can be over-ridden at any time when working on sloping land).**

Equipped with a Tellus GO terminal or optional double screen Tellus Pro terminal, the operator is kept fully informed with an animated display showing the real-time status of both the pre and main baling chambers and the wrapper. The operator can see at a glance the status at each stage of the baling process, allowing output to be matched to machine capacity and prevailing crop conditions.

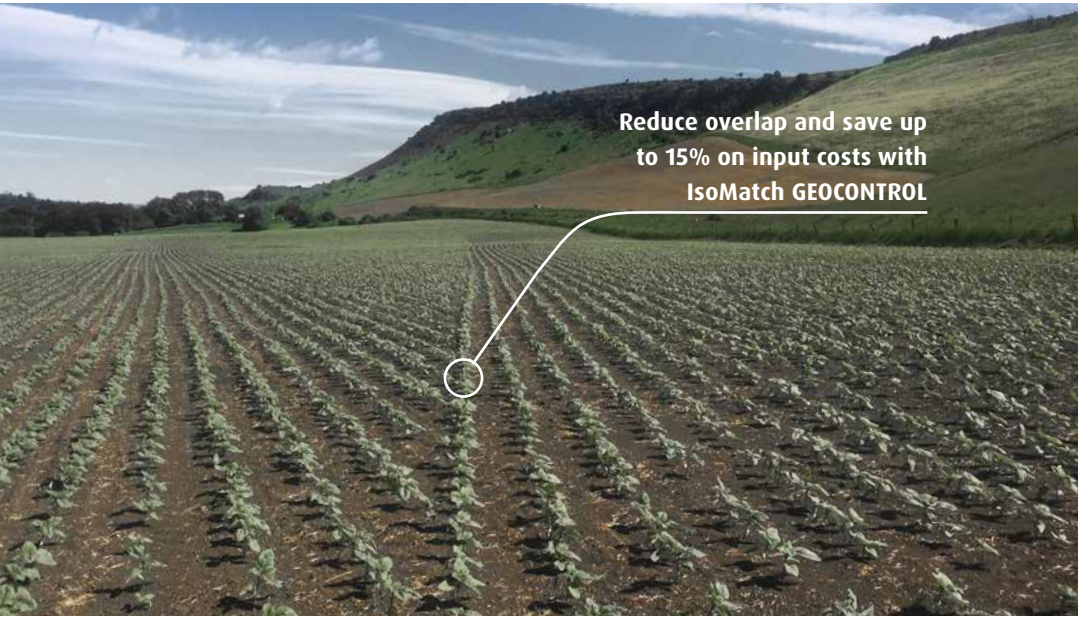
FastBale is extremely versatile, and as well as baling and wrapping non-stop, it can also work in dry crops with the wrapper in the raised position, with bales discharged directly out of the main bale chamber. Baling in the main chamber only can also be selected for baling very dry crops such as straw.

FastBale is fully ISOBUS compatible as standard and can be operated on any ISOBUS equipped tractor without the need for an additional terminal.

# MANAGE YOUR FARM AS A BUSINESS
## WITH OUR ISOMATCH PRECISION FARMING OFFERING

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

*iM FARMING - smart, efficient, easy farming*



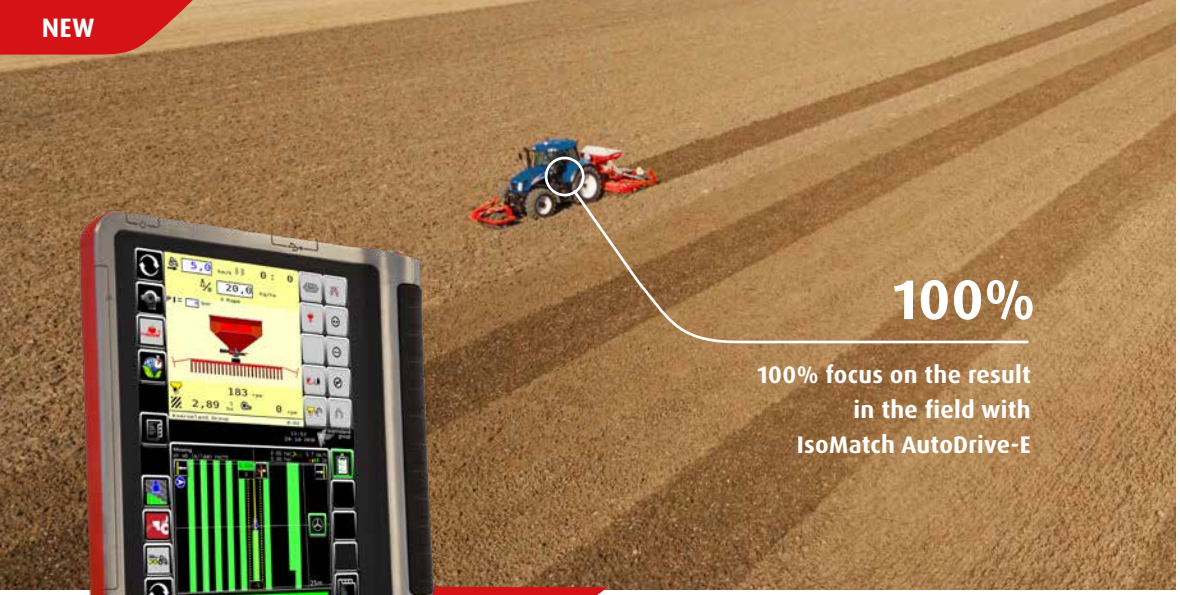

**Maximum savings!**
*The **IsoMatch GEOCONTROL** precision farming application includes Manual Guidance and Data Management free of charge. It is possible to expand this application with Section Control and/or Variable Rate Control.*

### Enhance your success with e-learning

**IsoMatch Simulator** is a free downloadable virtual training program. It simulates all functions of the IsoMatch Universal Terminals and Kverneland ISOBUS machines. Train yourself and make yourself familiar with your machine to avoid errors and enhance your machine performance.

### The best overview in farm management

**IsoMatch FarmCentre** is the first of a series of telematics solutions. This fleet management solution is applicable for your ISOBUS machines in combination with an IsoMatch Tellus GO/PRO. Whether you wish to control your fleet, manage tasks remotely or analyse machine performance data, IsoMatch FarmCentre provides this in an efficient web application, linking implements, tractors, terminals and the cloud in one continuous flow of data and connectivity.




*Improve your performance*
*Maximum efficiency, minimum waste*

## Be a PRO in increasing productivity

The IsoMatch Tellus PRO 12-inch terminal provides you with the optimal solution for an all-in-one control system inside the tractor cab including automatic steering. It is the centre for connecting all ISOBUS machines, running precision farming applications and Farm Management Systems. It offers everything you need to get the maximum out of your machines and crop, as well as cost savings in fertiliser, chemicals and seeds by using automatic section control and variable rate control. With the unique dual screen functionality it gives you the opportunity to view and manage two machines and/or processes simultaneously.

## 100% focus, maximum performance

IsoMatch AutoDrive-E provides automatic tractor steering. Manage your work to be more efficient and avoid overlaps which leads to cost savings of up to 15%, better growing conditions and increased yield. (Only in combination with IsoMatch Tellus PRO).

## Easy control management

The IsoMatch Tellus GO is a cost-efficient 7-inch terminal, especially developed for managing the machine in a simple way. Easily set up the machine with the soft keys and simply use the hard keys and rotary switch for optimal control while driving.

## IsoMatch Global PRO

GPS antenna system with RTK precision for the highest accuracy (2-3 cm) and best productivity.

## IsoMatch Grip

This ISOBUS auxiliary device is made for maximum machine control and efficient farming. Operate up to 44 implement functions from one device.

## IsoMatch InLine

Light bar for manual guidance including section status information. Manage the distance from the A-B line and steer for the ideal position.

## IsoMatch (Multi)Eye

Connect up to 4 cameras to the IsoMatch Universal Terminals. It gives you full control and overview of the entire machine operation.

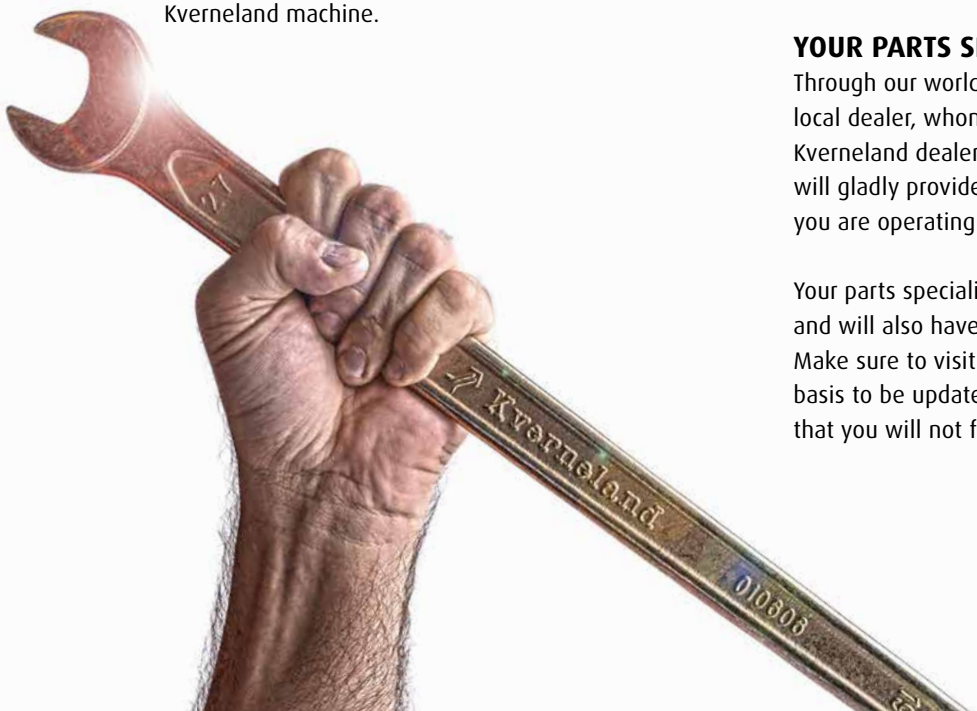
ORIGINAL PARTS

# ORIGINAL PARTS & SERVICE

## ONLY ORIGINAL PARTS WILL KEEP YOUR MACHINE A KVERNELAND

**Did you know that our parts are manufactured to the same high standards and strict specifications as the Kverneland machines? Original Parts will always work and fit as intended, and are guaranteed to keep your machine running at maximum performance.**

Do not compromise quality with cheap solutions, remember that only Original Kverneland parts are the guaranteed solution to achieve what is expected by a Kverneland machine.



### YOUR PARTS SPECIALIST

Through our worldwide dealer network you will find your local dealer, whom is always prepared to assist you. Your Kverneland dealer knows every inch of your machine and will gladly provide the expertise needed to ensure that you are operating at maximum potential.

Your parts specialist has got all the parts that you need and will also have the facilities to service your machine. Make sure to visit your Kverneland dealer on a regular basis to be updated on promotions and product news that you will not find elsewhere.

### ALWAYS AVAILABLE

Time is money, and we know the importance of receiving the right parts at the right time! Your Kverneland dealer is supported by a massive distribution network to supply you with exactly what you need, when you need it.

Our main distribution centre is located in Metz, France. A strategic location for distributing parts to all corners of the world. With over 70.000 parts in stock and 24/7 service, we are ready to supply you with parts – at any time!

# TECHNICAL DATA

| | Baling and Wrapping |
|---|---|
| Model | FastBale |
| Intake rotor diameter | Ø800mm |
| Blockage clearance | Hydraulic drop floor - utilised for both bale chambers |
| Pre-chopping system | 25-knife, manual group selection - 6/12/13/25 |
| Bale chamber size | 1.23m wide x Ø1.22m (to produce a bale of Ø1.26 -1.27m) |
| Numbers of rollers | 17 main chamber, 14 pre-chamber (11 + 3 rollers shared) |
| Chamber capacity ratio | Approx. two thirds/one third |
| Bale chamber bearings | |
| Drive side | Ø50mm double-row roller bearings |
| Non-drive side | Ø50mm ball bearings |
| Bale chamber driveline | 1¼" pitch drive chains to all bale chamber elements |
| Chain lubrication | Automatic lubrication system |
| Bearing Lubrication | Auto-greasing of chamber and rotor bearings |
| Density control | Hydraulic (no tailgate latches) |
| Control system | Fully ISO 11783 compliant |
| Net capacity | 2 rolls (1 in use, 1 spare) |
| Film capacity | 10 rolls (2 in use, 8 spare) |
| Binding systems | |
| Net wrap | ● |
| Film binding | ○ |
| Power requirement | |
| Min tractor size required | 150hp |
| Hydraulic supply | Load sensing (pressure, return, sensing) + 1 x double acting valve |
| Dimensions | |
| Length | 5.85m |
| Width | 2.76m with standard tyres (2.94m with option tyres) |
| Height | 3.05m |
| Hitch height | Low and high (1m) drawbar height possible without extra parts |
| Weight | 7990kg |
| Drawbar weight | 1100kg |
| Standard wheel size | 600/55-26.5" |
| Optional wheel size | 710/50-26.5" |

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● Standard equipment
○ Option
- Not available

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