



# BiG Pack

EN

4TH GENERATION LARGE SQUARE BALERS

# BiG Pack

4th generation – *Off to harvest gold*



## HDP II

Up to 70% higher throughput or up to 10% higher bale densities than from the HDP HighSpeed

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## Chamber

sizes from 80 x 70 cm to 120 x 130 cm

Pages 6 | 8

## VFS along with electronic baling pressure

control for even bale densities

Page 18

## New KRONE V-knotter system

for highly compacted and dimensionally stable bales without snippets

Page 26

## X-Cut and VariCut cutting systems

and PreChop for short cutting lengths

Pages 12 | 14

## BaleCollect

Bale accumulator mounted directly on the rear of the baler for effective and soil-friendly bale collection

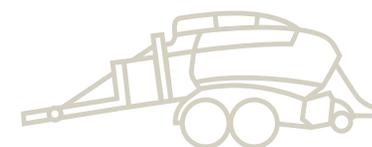
Page 36

## MultiBale system packs

up to nine small bales in one single BiG Pack

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# KRONE BiG Pack – The widest range of balers on the market



By buying a KRONE big baler you're investing in experience and expertise in baler design. With so much experience under its belt, KRONE knows exactly what farmers need in the field and offers a complete range of balers with different chamber dimensions. The Variable Filling System, the unique MultiBale system and the camless Easy-Flow pick-up with mechanical-drive rotor (Active Pick-up) are the stand-out features that have won international recognition and underpin the great success of the KRONE BiG Pack.

# BiG Pack

## The success story

**The first BiG Pack**  
The BiG Pack is born –  
KRONE builds its first  
big baler ...



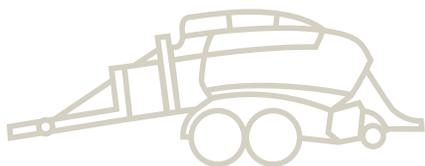
**VFS is launched**  
VFS – The variable filling  
system from KRONE is being  
launched. The double knotter  
is now available for many BiG  
Pack models.

### More options

PreChop – The integrated pre-chopping system  
refines the straw harvest and opens up new  
opportunities for square bales.



**A new benchmark**  
The BiG Pack 1290 HDP High-Density baler is  
being launched. With its unbeatable baling den-  
sity, the High-Density baler has had a decisive  
influence on the global straw trade since that  
day.



### Record throughputs

The BIG Pack HDP II rips up the record book. KRONE launches a completely new big baler that scales new heights in terms of throughput and density.

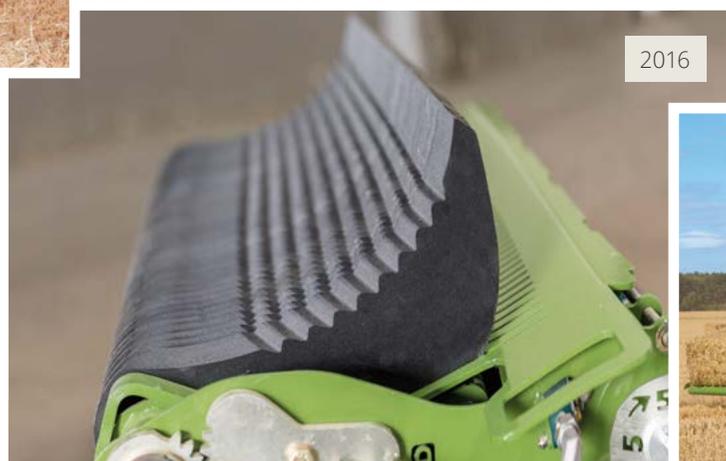


### Higher densities and higher throughputs

The 'HighSpeed' generation overtakes the market for large square balers – up to 20 % more throughput at the same density compared to the previous model.

### Accumulating bales

The KRONE BaleCollect is an effective tool in optimising straw harvesting. This bale collector can collect up to three bales in the field. Thanks to its telescoping drawbar BaleCollect tracks behind the baler like a trailer on public roads.



### New, variable cutting system

KRONE's short straw cutting range gets a boost with the 51-blade VariCut (VC) cutting system.

### V-knotter

Maximum operational reliability thanks to double knotter technology without any annoying twine snippets. The KRONE V-knotter is convincing.



### High Performance

Delivering boosted productivity through higher operator comfort, the new BIG Pack generation is set to supplement the HighSpeed generation.

# BiG Pack

The standard range



## The BiG Pack standard range

BiG Pack 890 HighSpeed  
BiG Pack 890 XC HighSpeed

80 x 90 cm



BiG Pack 1270 HighSpeed  
BiG Pack 1270 XC HighSpeed  
BiG Pack 1270 VC HighSpeed

120 x 70 cm  
Up to 9 small bales go into one big bale



BiG Pack 1290  
BiG Pack 1290 XC

120 x 90 cm



4 x 4  
4 x 4 XC

120 x 130 cm





#### **BiG Pack 890 (XC) HighSpeed**

With four double knotters and a chamber measuring 80 cm in width and 90 cm in height, this machine has proved its worth time and again – not just in straw but also in heavy, wet silage.



#### **BiG Pack 1290 (XC) HighSpeed**

These solid 1.20 m wide and 90 cm high bales are popular with farmers the world over. With its massive bale dimensions, this machine is mainly in demand for straw and hay, but it also handles silage successfully in some countries.



#### **BiG Pack 1270 (XC/VC) HighSpeed**

The 70 cm high x 120 cm wide chamber on this machine makes it truly versatile. Six single or double knotters produce firm and uniform bales in straw, hay and silage.



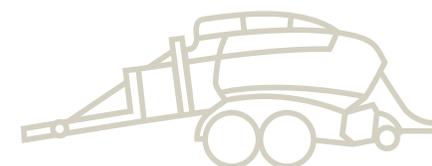
#### **BiG Pack 4 x 4 (XC) HighSpeed**

With a chamber height of 130 cm, you get fewer bales per hectare and save time and money on labour too – because the field is cleared fast. This baler is mainly used in straw and hay.



#### **BiG Pack 1270 (XC/VC) MultiBale HighSpeed**

This version enables you to pack up to nine small packs in one big bale. Big bales can be cleared quickly from the field, and the smaller packs are easy to distribute later on.



# BiG Pack

The HDP range

## The BiG Pack HDP range

BiG Pack 870 HDP MultiBale HighSpeed  
BiG Pack 870 HDP Multibale XC HighSpeed

80 x 70 cm



BiG Pack 1290 HDP HighSpeed  
BiG Pack 1290 HDP XC HighSpeed  
BiG Pack 1290 HDP VC HighSpeed

120 x 90 cm



BiG Pack 1290 HDP II  
BiG Pack 1290 HDP II XC

120 x 90 cm





### **BiG Pack 870 HDP (XC) MultiBale**

The '3-in-1' machine. In addition to a channel dimension of 80 x 70 cm, this model offers the same baling densities as a BiG Pack HDP. This baler also comes with the MultiBale function that enables contractors to respond flexibly to their customers' needs.



### **BiG Pack 1290 HDP (XC/VC) HighSpeed**

Rock-hard bales. Because the HDP high-density baling system and the longer baling chamber deliver up to 25% heavier bales than conventional systems. And this pays for itself fast in terms of haulage.



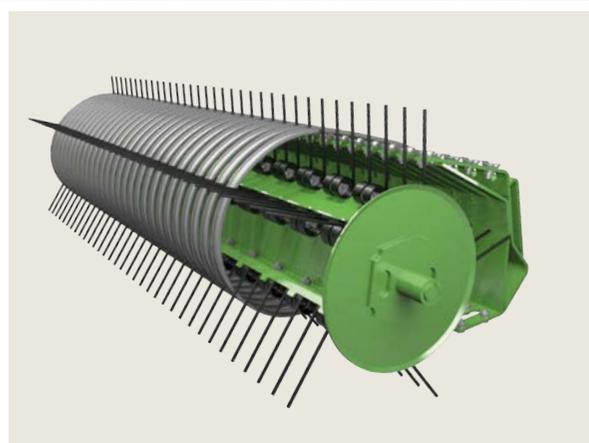
### **BiG Pack 1290 HDP II (XC)**

Higher density – higher forward speeds. With its eight double knotters, this baler produces up to 70% higher throughputs or up to 10% higher densities than the BiG Pack HDP HighSpeed. It also delivers a lot more power on the field, making your straw logistics more efficient.



# The KRONE Active pick-up

Excellent uptake with minimum wear



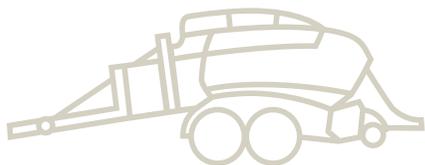
## Obvious benefits

With its simple design the camless EasyFlow Pick-up has far fewer moving parts and is impressively smooth running. There's less wear, so it also costs a lot less to maintain and service.



## Nothing is left behind

Working at a width of 1.95 or 2.35 m (DIN 11220) and kitted out with five rows of tines spaced 55 mm apart, the camless EasyFlow Pick-up does a clean job every time. The combination of the powered feed roller and the side-mounted augers tick all the boxes in dry, brittle material, delivering massively increased throughputs.





## Continuous crop flow

- **Clean work**  
More power due to 30% higher speed compared to a controlled pick-up
- **Powered feed roller**  
for superior performance even in brittle material
- **Smoother running**  
thanks to camless design
- **Less wear**  
with 68% fewer moving parts
- **Maintenance-free and long-lasting**

**KRONE Active Pick-up** – a clever combination of the tried-and-trusted camless **EasyFlow Pick-up** plus an additional powered feed roller. The speciality of this pick-up is the design of the galvanized scrapers, which ensure a continuous and smooth crop flow as the tines retract. **EasyFlow** can work 30% faster – allowing for faster forward speeds and higher throughputs.



### Gentle on the sward

The pneumatic caster wheels follow every curve and are height-adjustable without tools. The sward is even protected on curves, thanks to their excellent casting behaviour.



### Depth control fitted as standard

The standard depth limiter adjusts the pick-up to work in long stubble, reducing the strain on the gauge wheels which only lift the pick-up on very uneven terrain.



### Crop press roller fitted as standard

The massive crop press roller ensures a continuous flow of crop into the machine. Forage isn't pushed up in uneven swaths, and the machine operates permanently at maximum pick-up and output levels.

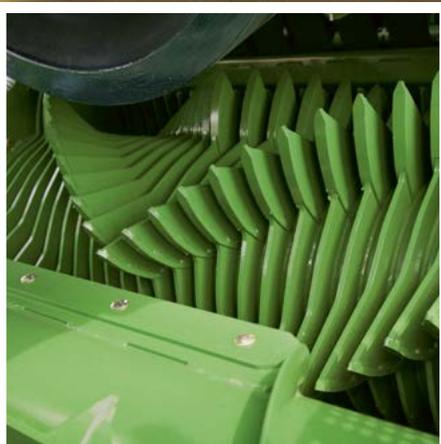


### Easy adjustment

The crop press roller and pick-up pressures are adjusted via coil springs. The crop press roller's extremely low work height is adjusted tool-free via chains.

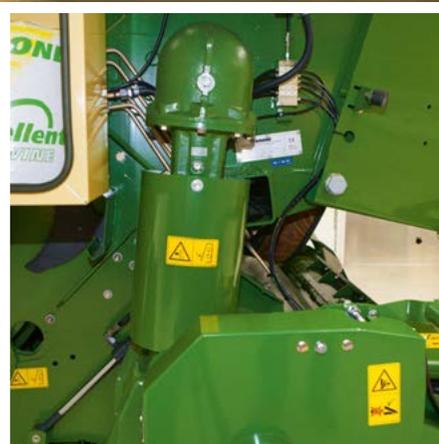
# The KRONE XCut (XC)

Clean cut *with low power requirement*



## Rugged rotor, excellent cut:

The large diameter of 550 mm (720 mm on the BiG Pack HDP II) is impressive. Arranged in a V-shape, the tines pull the crop through the blades with a minimum of input power and keep the bale chamber consistently filled across the whole width.



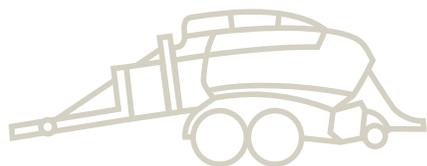
## Full throttle

The cutting and VFS rotor is driven directly off the main gearbox. Overload protection is provided by the integrated cam clutch. The HDP II is driven via a selectable poly V-belt.



## Wide Hardox plates on the feed tines

The 20 mm wide Hardox plates deliver higher throughputs, a clean, scissor-like cut and greater resistance to wear – your guarantee of high-quality forage. With the 20 mm wide Hardox supporting surfaces, the paddle tines harvest quality forage. Any mushing is eliminated.





## Best cutting quality

- **16 blades or 26 blades**  
provide 44 mm theoretical cutting length depending on channel width
- **The tines**  
have wide, hard-wearing Hardox plates
- **The blade cassette lowers hydraulically**  
and pulls out like drawer
- **The blades are controlled in groups**
- **Lowest power requirement in the market**

With a full set of blades, you can achieve theoretical cutting lengths of 44 mm. Wide Hardox supporting surfaces on the V-shaped paddle tines reduce the power requirement and ensure the best cutting quality, high throughput and long service life.



### The 'pull-out drawer' principle

The XCut cutting system has two blade cassettes which lower hydraulically for convenient access. Each cassette pulls out to the side like a drawer.

### Maximum protection

All blades feature individual spring protection for trouble-free operation when foreign objects are picked up. The blades conveniently push back into their working position after the foreign body has cleared.

### Quick and easy

The central blade control system allows you to select different cutting lengths: 44 mm with the full set of blades and 88 mm with half of them in action.

# The KRONE VariCut (VC)

51 blades for free cutting



## Convenient overload protection

A side-mounted poly V-belt drives the pick-up and the rotor. The rotor has permanent slip control which switches it off and automatically swings the blades out of the crop flow if it becomes overloaded. To resume work, the operator first restarts the rotor and then engages the blades from the cab.



## Clamped and secure

The blades are engaged hydraulically, after which the blade cassette is clamped in the frame. This takes the strain off the cassette's rolls and any vibrations that occur during cutting are safely absorbed, ensuring smooth running when the cassette is inserted and removed.



## Variable blade control system

Blades can be preselected without tools in groups of 51, 26, 25, 12, or 5. The preselected group is engaged hydraulically from the cab. All cams are attached to the shaft and can be combined to form individual groups.



## Baling short straw

- Up to 51 blades
- Variable blade control system
- Belt drive and four-star rotor for maximum efficiency
- Produces top quality short straw
- Easy and convenient to maintain
- Extremely highly protected drive train for the highest throughputs on the market

The KRONE VariCut is an ultra-flexible multiple blade cutting system for the BiG Pack 1270 and BiG Pack 1290 HDP and comes with a choice of up to 51 blades. VariCut can produce short straw with a theoretical LOC of at least 22 mm – the ideal solution for animal feed or bedding.



### Easy to clean

A service aperture above the blades can be opened in a single action for removing deposits. The area around the blades and the individual blade protection system is kept clean with an integrated compressed air blower.

### Convenient to fit and maintain

For easy removal and maintenance, the single-piece blade cassette pulls out conveniently to the side on an optional transport frame that fits on a pallet truck.

# The KRONE PreChop

Chopped short and defibered

## Perfect also as bedding

- **Short chop lengths** -  
minimum 21 mm nominal lengths
- **Adjustable LOC**,  
two selectable counterblades
- **Defibration effect**  
for added liquid absorption
- **Mechanical gearbox**  
and hydraulic height control

PreChop is an integral front-mounted chopping unit on the KRONE big balers of the BiG Pack 1270 (XC/VC), 1290 (XC) und 1290 HDP (XC) series. It has 96 rotating blades and two rows of 47 counterblades that achieve a nominal LOC of 21 mm. But PreChop doesn't only chop, it also visibly defibrates the stalks.



## Great features for even better productivity

Chopped and nearly dust-free straw makes perfect bedding in poultry houses and cow cubicles as well as in pig and beef cattle housing. More than that, it is used as animal feed that adds fibre to low-fibre rations but also as mulch in strawberry plantations and nutrient medium in mushroom production. The treated straw has better absorption qualities, spreads more easily in the livestock house, and prevents the slurry drains from blocking up while supporting manure mineralization.

## 190 blades for a top quality chop

The large cutting rotor is 525 mm in diameter and features 96 pivoting blades in a helical arrangement. Rotating at 3,000 rpm, it feeds the material through two rows of counterblades with 47 rigid blades each and from here on to the BiG Pack pick-up. A turbulence generator strip between the counterblades ensures a top quality chop. The intensity of the two counterblades can be adjusted in one of five positions without tools. All blades are reversible for a long service life.



### 1. Easy to remove

If the PreChop isn't needed for an extended period, it can easily be removed. Simply remove the pins and the drive shaft and then pull the unit out to the side on its transport rolls.



### 2. Neat knots

In extremely dusty conditions, a powerful knotter cleaning system is key. The high-performance fan must be included in all orders of PreChop machines to make sure dirt and debris are removed before they actually accumulate.



### 3. Versatile Active Pick-up

When used with PreChop, the feed roller on the Active Pick-up can be stopped and switched off if necessary. The crop press roller can also be moved away. The PreChop has a high lift-out height, enabling the baler to be used without removing the PreChop.



# KRONE VFS – The variable filling system

The unique pre-chamber for best bale shapes

## Pre-baled straw

- **Uniform densities**  
courtesy of a multiphase feeding sequence
- **Pre-compression in the feed chamber**  
for maximum filling
- **Stable bales**  
even from small swaths
- **Uniformly compressed bales**  
for higher bale weights
- **Automatic overload clutch**  
for operating at full performance capacity

**How the VFS system works:** As the first step, the packer in combination with a feeder bar feed the material into the feed chamber where it is collected and pre-compressed. Once the feed chamber is filled to capacity, the feeder bar pushes the crop into the bale chamber. The VFS Variable Filling System from KRONE delivers rock-hard bales that keep their shape even in thin swaths and at slow forward speeds.



## The two-speed baling chamber

With a KRONE BiG Pack you're geared up for any situation. In big swaths, you can operate your BiG Pack baler at full power with 1,000 rpm and 45 strokes per minute, Whereas in lighter crops you can reduce the pto speed to 800 rpm for 36 strokes and rock-solid bales plus higher fuel economy.



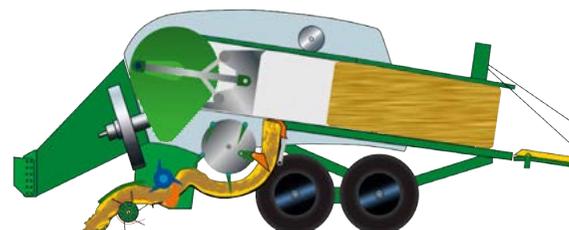
### The Variable Filling System

The Variable Filling System is yet another KRONE solution that is highly acclaimed by the farming world. It's another classic example of the innovative force that characterizes KRONE designs. The VFS system combines the best features of continuous feed systems with those of volume-based systems and takes big baler technology to a whole new level. VF translates into maximum efficiency at all times, irrespective of the shape and volume of the swath.



**Fig. 1**

Depending on the model, the VF system operates with three or four packer rakes and one feeder rake plus one retainer. The packers run in a shared cam track, the feeder rake in a separate cam track that swings into and off path.



**Fig. 2**

As long as the feeder cam track does not swing off path, the packers and the feeder continue feeding material into the feed chamber, pre-compressing it as they go. The haydog holds the crops under the bale channel



**Fig. 3**

When the feed chamber is filled with material, the retainer gives way to the pressure and clears the way for the material to enter the baling chamber, releasing a clutch at the same time.



**Fig. 4**

The clutch swings the entire feeder cam into a different position to enable the feeder rake to feed the crop into the baling chamber. Once this cycle is completed, the retainer and feeder automatically return to their previous positions.

# The drive

Extremely robust and comfortable



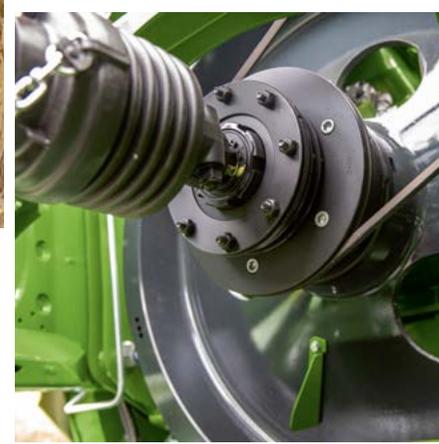
## Smooth start

To ensure a smooth start, all BiG Pack balers can be equipped with a hydraulic start assist system consisting of a hydro motor that accelerates the flywheel before the tractor pto is started. This start assist system is fitted as standard in the HDP II.



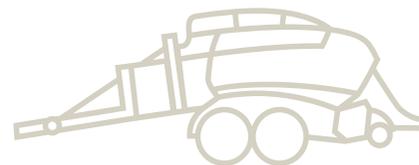
## Quiet and comfortable

Large flywheels prevent bounce and guarantee a quiet running system. The flywheels absorb peak loads and the machine maintains a consistent speed while requiring significantly less input power.



## Perfectly protected

On start-up the BiG Pack is protected by a slip clutch. In the event of an overload on the machine side an automatic cut-out clutch is activated. You will look in vain for shear pins here.





## Smooth running

- **High inertia**  
and high speeds for a quiet running system
- **Power is transmitted**  
down clutch-protected drive shafts
- **No shear pins**  
in the drive train for maximum operator comfort
- **Electronic baling pressure**  
control for even bale densities

**The on-board hydraulic system with automatic baling pressure control ensures firm bale shapes and tidy edges, even in wet conditions and in different crops. Two sensors measure the current force of the plunger. A control system compares this measurement with the operator settings and the on-board hydraulic system automatically adapts the pressure exerted on the chamber walls.**



### Direct drive

On KRONE big balers, power is transmitted to the packer and the knotters via robust, low-maintenance drive shafts, gears and overload clutches. Buying this technology means buying into dependability and comfort.

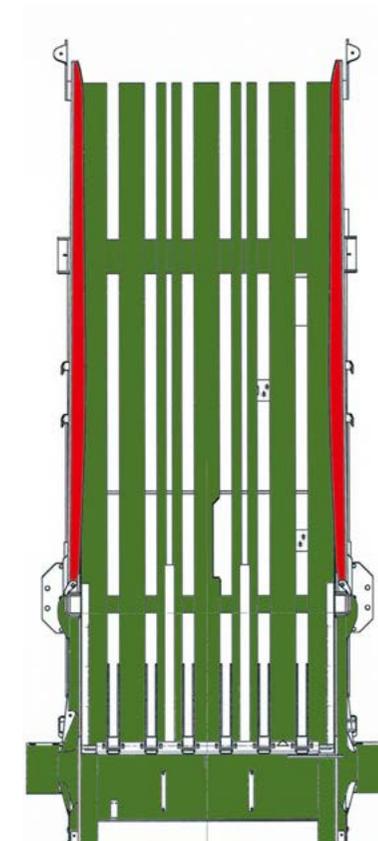
### Automatic mode

The operator selects a density between 0% and 100% on the control box, and the baling force control automatically adapts the pressure in the baling chamber.



### Powerful and safe

The KRONE big balers have long plungers which support the work of the needles, a design that brings peace of mind with respect to needle operation. The BiG Pack 870 and 890 operate at 49 strokes/min, the BiG Pack 1270 and 1290 HDP and HDP II at 45 strokes/min and the BiG Pack 4 x 4 at 38 strokes/min, ensuring quiet and smooth operation. 49 piston strokes/min for BiG Pack 870 and 890, 45 piston strokes/min for BiG Pack 1270 and 1290 HDP and HDP II and 38 strokes for BiG Pack 4 x 4.



### The funnel shape does the trick

For maximum bale densities, BiG Packs are equipped with long, funnel-shaped bale chambers with spring-loaded retainers on the sides and top towards the front. The rounded ends of the side walls guarantee smooth bale edges.

# Bale channel and running gear

Up to six large pressure cylinders



## Full-on power for rock-solid bales

Up to six massive rams operate the top and the side walls of the chamber. The heavy-duty yoke is designed to cope with exceptionally high loads in non-stop operation.



## Consistent bale length every time

KRONE equips all BiG Packs with a star wheel that measures the bale length electronically. The star wheel is mounted centrally in the bale chamber floor.



## Extendable rear end

The BiG Pack features a very strong frame that also has a hitch to pull a bale for example. The BiG Pack features a very strong frame that also has a hitch to pull a bale accumulator for example.



## Precise and powerful

- **Massive hydraulic rams** for maximum bale densities
- **An electronic star wheel sensor** ensures uniform bale lengths
- **Tandem axle up to max. 60 km/h** or single axle up to 40 km/h
- **A rigid or caster steer boogie axle**

**The KRONE BiG Packs have massive hydraulic rams for highest densities. Rigid or caster-steer 60 km/h tandem axles are available to boost productivity.**



#### Standard single axle on BiG Pack 890

The BiG Pack 890 is available with a single axle and large tyres (710/45-22.5) for speeds of up to 40 km/h or optional tandem axles for speeds of up to 60 km/h.



#### 4-leaf parabolic spring suspension

Giving large travel, the spring assembly spreads the machine weight evenly between the front and rear axles – a special boon in boggy terrain.



#### Comfortable and gentle on the soil

The Boogie unit is available in two versions – rigid or with a self-steering axle which can be used to lock the steering axle in the centre position thanks to a locking cylinder. Both versions are approved for up to 60 km/h provided they are fitted with appropriate tyres. The self-steering rear wheels ensure that nothing is damaged and the valuable sward is preserved. The BiG Pack with tandem axle as a Boogie unit runs extremely smoothly even at high driving speeds and is therefore gentle on the driver and the machine. The spring-mounted Boogie unit can be fitted with tyres from 17" up to 26.5", depending on the machine.



# The KRONE knotter system

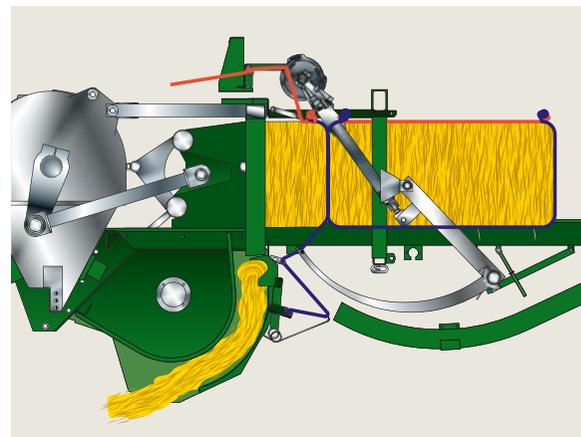
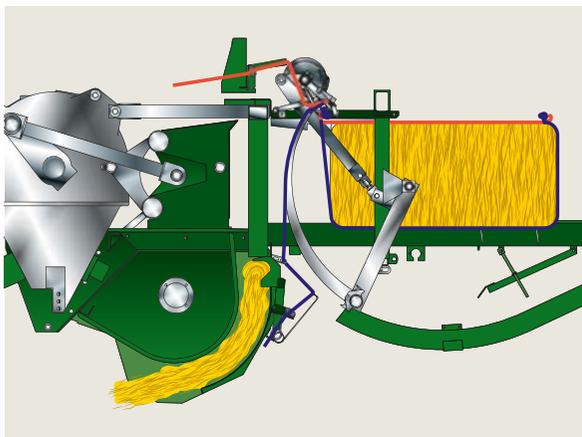
Reliably tied bales



**KRONE double knotter**

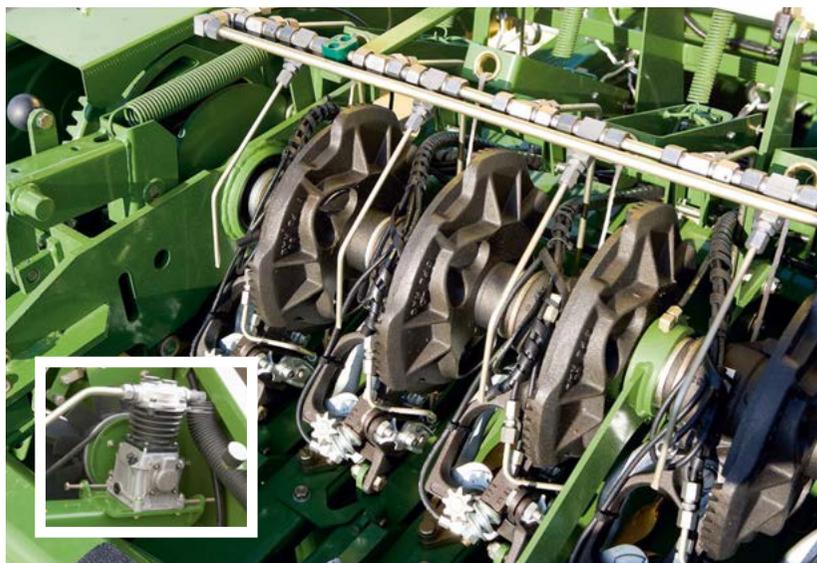
## How the double knotter works

The knotter feeds an upper and a lower twine to the bale as it is being pressed and ties the twine with two knots – one at the front end of the bale (starter knot no. 1) and one at the rear end (finishing knot no. 2). The lower twine is threaded through the needle by a tensioning system that surrounds the base and the two ends of the bale. The upper twine is supplied to the bale directly by a tensioning system and encloses the top of the bale. This system allows the machine to apply maximum baling force in any type of crop.



- **Absolutely reliable** – simple twine feeding system
- **Cleaning by air**
- **Central lubrication provided as standard**
- **Long service life**

The KRONE knotting system delivers a high-density and firm bale every single time. The double knotter technology on the BiG Pack 870 HDP is fitted as standard on all chambers measuring more than 70 cm in height, where it ties even high-density bales and crops that are prone to expanding into packs that hold. BiG Pack 1270 is fitted with single knotters as standard, but double knotters are available as an option.



### Cleaning by air

The compressed air cleaning of the knotters guarantees maximum reliability, even under extreme operating conditions. The airlines clean the knotters regularly with a jet of compressed air. This measure extends the service life of the knotters and ensures reliable operation of the balers. However, not all countries have tractors with a compressor unit. To ensure no machine has to do without compressed-air knotter cleaning, KRONE balers without air brakes are equipped with an on-board compressor.



### Perfectly lubricated

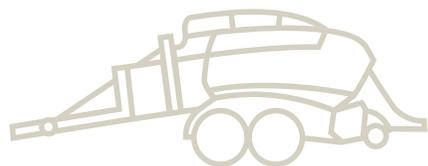
All BiG Pack models feature central lubrication as standard which ensures that the essential lubrication points are supplied with grease. Only a few lubrication points have to be manually supplied with grease. This prevents increased wear due to insufficient lubrication or dust penetration.

### Enough twine for knotting

With as many as 32 twine balls (11 kg each) on board (54 on the HDP II), you can bale more than 900 bales without stopping for a refill. The dust-proof twine boxes can be simply flipped up to allow access for servicing.

### Single knotter BP 1270

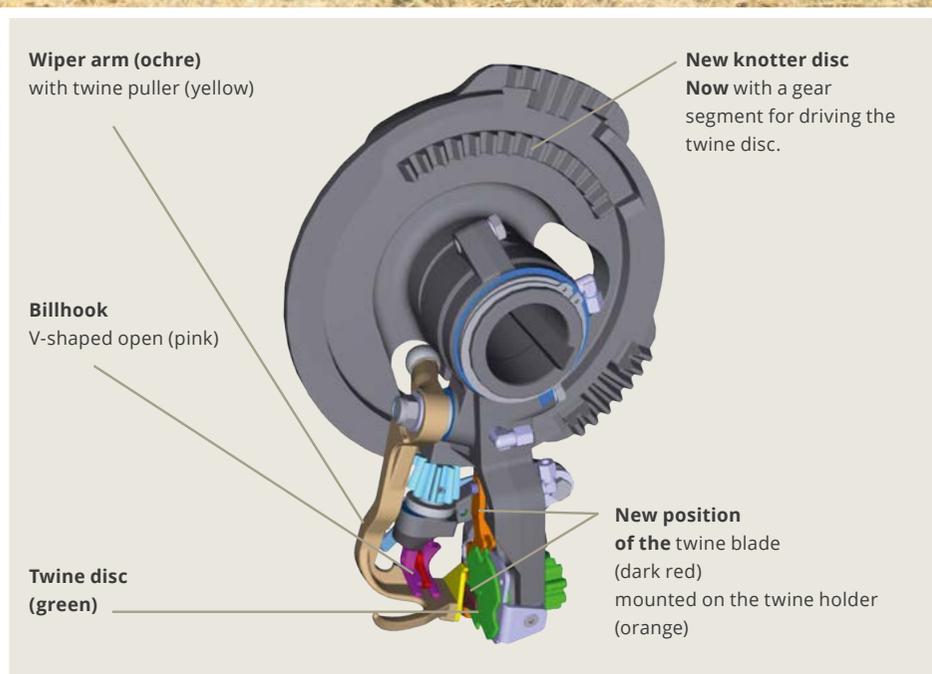
The BiG Pack 1270 features single knotters (Deering system) as standard. As an option, however, double knotters can also be ordered for the machines which are absolutely essential, especially for the Multibale version.



NEW

# The new KRONE V-knotter system

The new snippet-free V-knotter



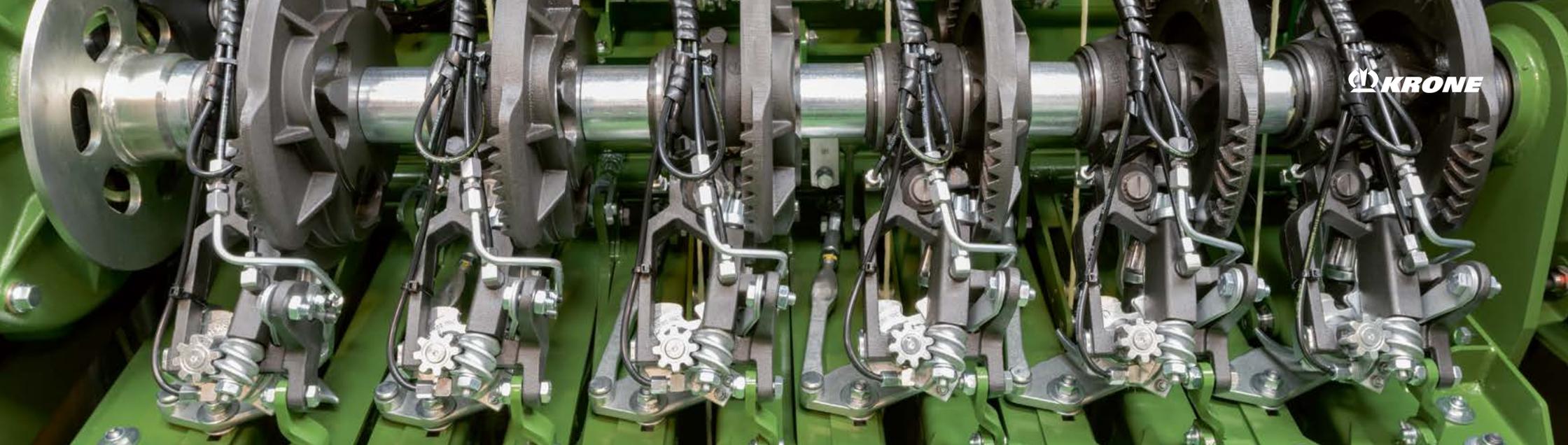
## The snippet-free V-knotter from KRONE

The dependable and hard-wearing V-knotter operates to the Deering system. Yet, instead of cutting the tails off, this design forms the tail into a loop and pulls this into the second knot (starter knot), creating an even stronger knot.



Watch our video and find more





#### **New knotter disc**

The twine disc and billhook are controlled via the modified contour and segmentation of the knotter disc. The second gear segment for the twine disc is conspicuous in comparison to the conventional Deering double knotter.

#### **Twine disc with blade**

The blade is now positioned directly in front of the twine disc. By rotating the twine disc between the two cycles of the billhook, the twine strands are pulled through the blade and separated. The wiper arm pushes the knot precisely off the billhook.

#### **V-shaped billhook**

The KRONE V-knotter is named after the V-shaped open billhook which makes it possible to pull the loop of the second knot, shaped as a loop knot, downwards. The otherwise system-related twine snippet of the double knotter is therefore pulled into the starting knot of the bale as a loop, which increases stability, and does not remain on the bale.



# The KRONE MultiBale

Big in the field and small in the barn

## Simplified handling

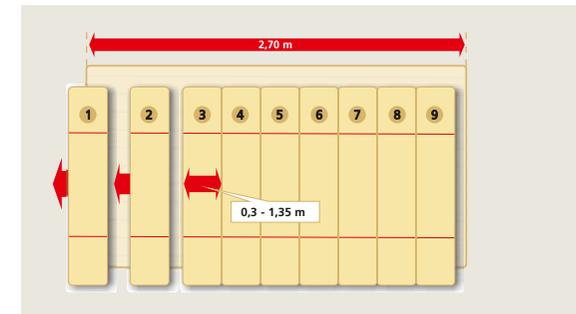
- **Up to nine small bales**  
in one single BiG Pack
- **Small bales**  
from 0.30 to 1.35 m
- **BiG performance**  
in the field
- **Small bales for easy handling**  
in the yard

**Up to nine individual bales tied together in one big bale:** The award-winning MultiBale process simplifies handling. The small bales can be between 0.30 and 1.35 m in length. Naturally, you can also produce conventional big bales with lengths of up to 2.70 m.



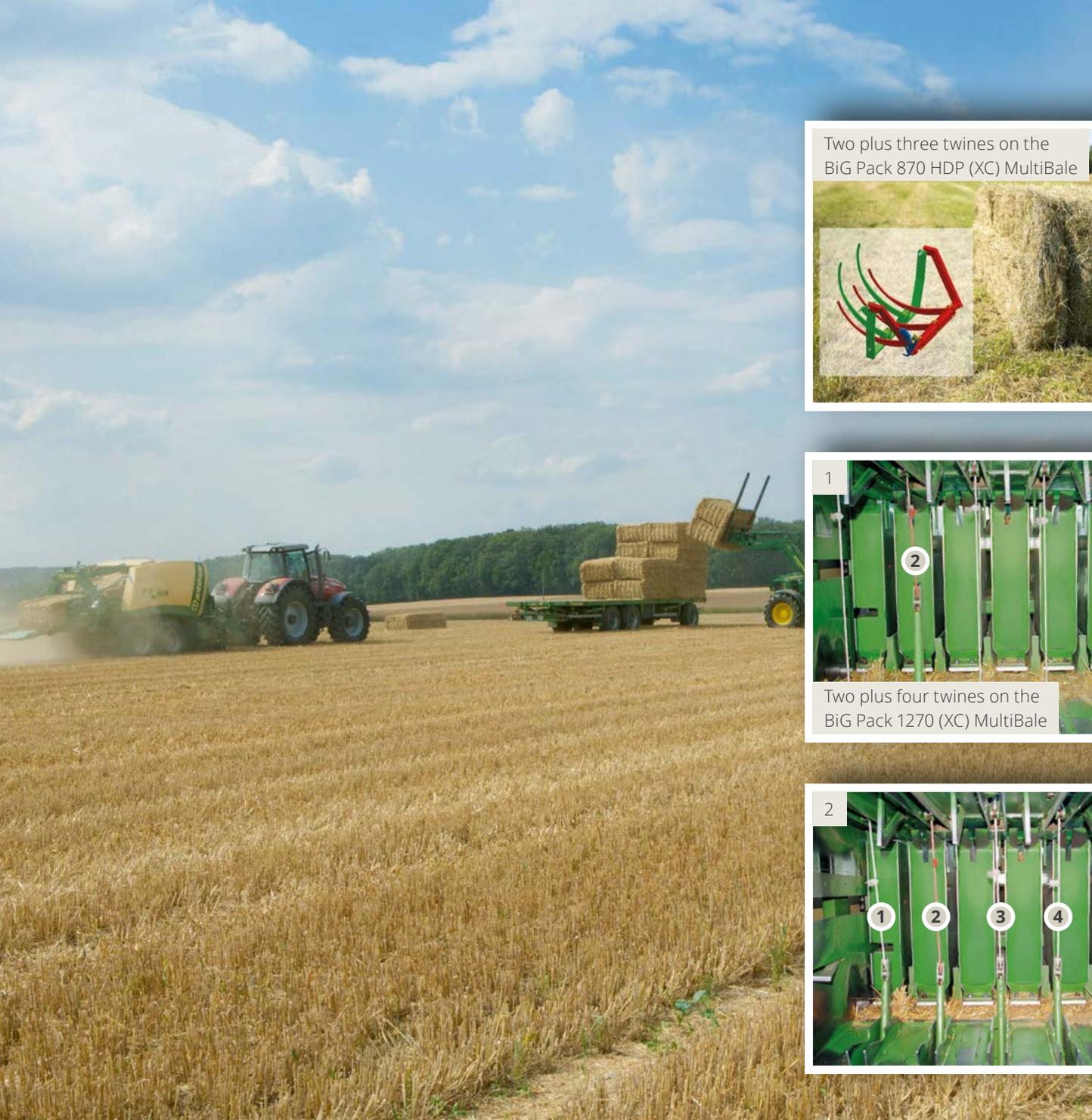
## Customers' wishes come true

The optional MultiBale system has double knotter technology and is controlled via the on-board Comfort control unit. MultiBale gets the field cleared quickly and you can supply your customers with big bales made up of small packs. The MultiBale system made its mark on the market in no time. After all, small bales are so much easier to handle in confined buildings.

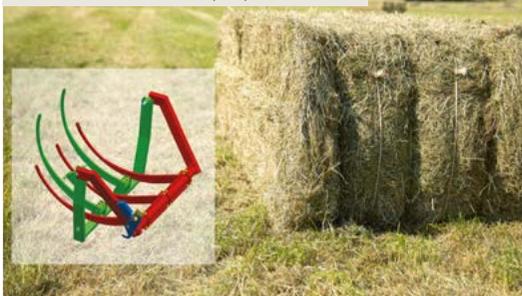


## From big to small

On the move, the operator sets the required number of bales on the control box in the cab. Selecting the total length of the big bale and the number of small packs. The small bales are held together with two strings, whereas the big bale has three (BiG Pack 870) or four (BiG Pack 1270). Naturally you can also produce conventional full-size single bales tied with five or six strings.



Two plus three twines on the BiG Pack 870 HDP (XC) MultiBale



Two plus four twines on the BiG Pack 1270 (XC) MultiBale



### Divided needle yokes

In MultiBale mode, two knotters knot the small packs and the others tie the big bale, assisted by a divided needle yoke. The two needle yokes are coupled and uncoupled by a controlled latch. For the double knoter to tie the knot, it needs to be supplied with twine. Therefore, the other strings simply pass through underneath the knotters. The small bales are tied with two lengths of twine (1). When the bale is complete, the two yokes are automatically re-engaged so that all the knotters are now supplied with twine (2). Then the big bale is tied.

# Operation

Technology which inspires



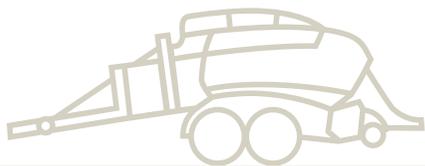
## The DS 500 Terminal

The compact DS 500 terminal has a 5.7" colour display screen with a clear layout for easy use. You can either operate the machine from the 12 function keys or the touchscreen and the dial control on the back of the device.



## The CCI 800 Terminal

The CCI 800 ISOBUS terminal with 8" touchscreen serves as user interface and also as camera screen which feeds the images from the bale accumulator for example, offering multi-functionality that saves costs and frees cab space for uninterrupted view. Even more comfort comes from the AUX joystick that is available as an addition to the CCI 800. The individual machine functions are shown in mini-view format on the bright, high-resolution colour screen.





## Easy operation

- High-resolution colour touchscreens
- The control units on KRONE BiG Pack big balers are all ISOBUS-compatible.
- If the KRONE BiG Pack is hitched to an ISO-BUS-compatible tractor, you can use the tractor terminal to control the baler.

**Even the entry-level DS 500 from KRONE offers convenient and comprehensive control of all major functions from a colour touchscreen. The CCI 800 and CCI 1200 ISOBUS terminals take user comfort to the max, offering one screen that displays both the machine user interface and the images that are fed from camera.**



### The CCI 1200 Terminal

The new ISOBUS-compatible CCI 1200 terminal with its 12" touch screen displays the views of two universal terminals (UT) on one screen. This allows the operator to control combinations such as a BiG Pack and a BaleCollect from one single terminal and view footage from several cameras on the same screen – a money-saving feature that provides a better all-round view from the cab. The individual machine functions are shown in mini-view format on the bright, high-resolution colour screen.



### The tractor terminal

All ISOBUS-compatible KRONE machines can also be controlled from the tractor's existing ISOBUS terminal. Simply connect one single cable and enjoy your customized user interface on the terminal in the cab. Optional controls like the WTK joystick make the tractor even easier to operate, depending on the tractor specification.

# BiG Pack HDP II

High-density big baler

## Even greater bale density

- **Up to 70% higher throughputs** than the BiG Pack 1290 HDP HighSpeed
- or up to **10% higher density** than the BiG Pack 1290 HDP HighSpeed
- **Eight double knotters (KRONE V-knotters)** for maximum baling densities without any snippets
- **The twine boxes lower hydraulically** for easy maintenance and refilling
- **Machine cleaning KRONE PowerClean** – as standard on the BiG Pack 1290 HDP II

**Up to 70% higher throughput or up to 10% higher bale density than the BiG Pack 1290 HDP HighSpeed – these were the ambitious targets the KRONE engineers set themselves in designing the new BiG Pack HDP II. Many interesting features increase the efficiency of this baler and operator comfort.**



## Big and powerful

After many years' experience with the BiG Pack 1290 HDP (High Density Press), KRONE has designed a completely new Big Brother to the highly successful BiG Pack HDP big baler, reinforcing its position as market leader in high-density baling.



## Setting new standards in baling density and ground speed

Do you transport your straw over long distances? Do you have large volumes to bale with just a short time window to do it in? Would you like to make better use of your storage space? Then KRONE's engineers have designed just the machine for you.: 'BiG Pack HDP II' is a formula that equates to even higher baling densities at substantially higher ground speeds.



#### **Direct drive**

All the drive power on a KRONE big baler is transmitted down robust, low maintenance drive shafts, gearboxes and overload protection clutches. And not a chain or a shear pin in sight. Buying this technology means buying into dependability and comfort.

#### **Smooth start**

For a smooth machine start, all BiG Pack HDP II models are equipped with a hydraulic start assist system consisting of two hydro motors that accelerate the flywheel before the tractor pto is engaged. The intermediate gearbox on the drawbar has two advantages: it reduces wear on the straight drive shaft and boosts the pto speed – a clever solution that helps maximize the flywheel's inertia.



# BiG Pack HDP II

The new dimension of baling



## Full throttle

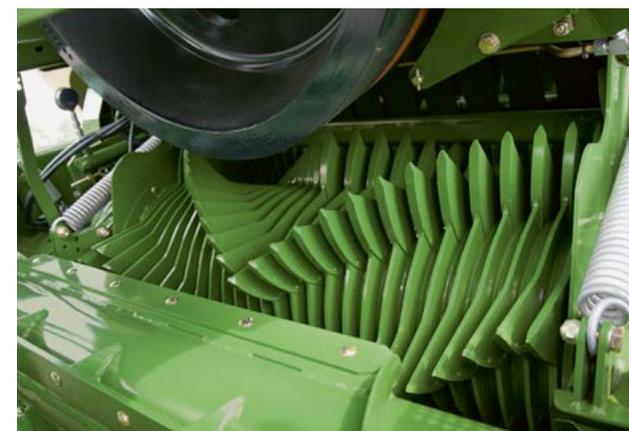
The pick-up on the packer machines is powered directly via the main gearbox and drive shaft which has an integrated cam clutch to protect the pick-up from overload. An integrated cam clutch protects the pick-up from overload.

## The separate driveline

The pick-up and the rotor cutter on the BiG Pack HDP II with XCut are powered by a separate 4-groove poly belt which shuts off automatically if there is a blockage inside the machine. To save power, the pick-up and rotor start off only after the plunger has started.

## A massive rotor for even higher throughputs

The 30% bigger rotor cutter features five rows of tines for highest throughputs. These V-shaped tines pull the crop through the blades with a minimum of input power and keep the bale chamber consistently filled up to the sides.





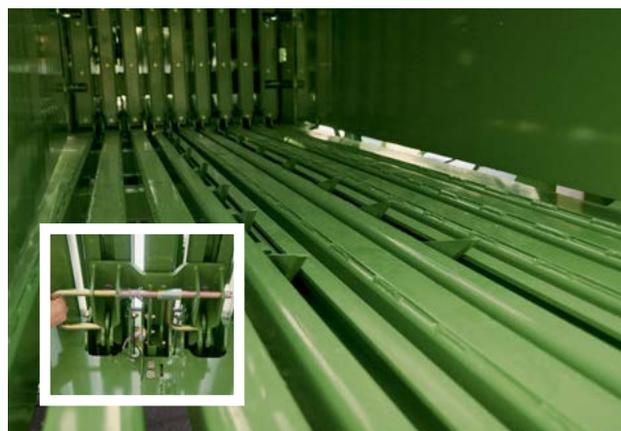
#### Eight double knotters (KRONE V-knotters)

Extremely high-density, stable bales produced at very high ground speeds – that’s a challenge for any twine and knoter, especially when the crop is prone to expanding. For this reason, KRONE, together with Rassepe, has developed a completely new knoter system with eight narrower double knotters for the BiG Pack HDP II. This system comprises eight slim double knotters which expose the individual strings to minimal pull, enabling them to hold even denser packs.



#### Deselectable pusher dogs

A pin sets the system, either enabling all pusher dogs to clear the entire bale chamber or disabling the dogs at the front so that just the finished bale is unloaded. This means that you can push out only the rear bale hydraulically or empty the entire bale channel.



#### 54 balls of twine on board

27 balls of twine – plenty for long working days. The twine boxes can be folded down hydraulically and conveniently from the cab for easy refilling and access to service points. Fitted with LED lights for greater convenience during night-time work.



# The KRONE BaleCollect – bale accumulator

Increased efficiency in bale logistics



## Clever stuff

The bale accumulator is attached to the baler to collect the bales as they leave the baling chamber. To ensure safety on the road, KRONE has come up with an innovative attachment via the telescoping drawbar.

## How it works

The BaleCollect platform can store up to three bales that leave a 120 cm chamber or up to five bales from an 80 cm chamber. When a bale leaves the chamber it is pushed to the right or left side by a bar, clearing the way for the next bale to enter the platform. All bales are automatically pushed off the platform according to the unloading mode selected by the operator.



## Safe road travel

For road transport, the platform folds into a compact unit of less than 3 m, the drawbar extends and the casting wheels/axles are made rigid. This allows BaleCollect to track reliably behind the baler – for safe rides at high speeds of up to 50km/h and through narrow gates.



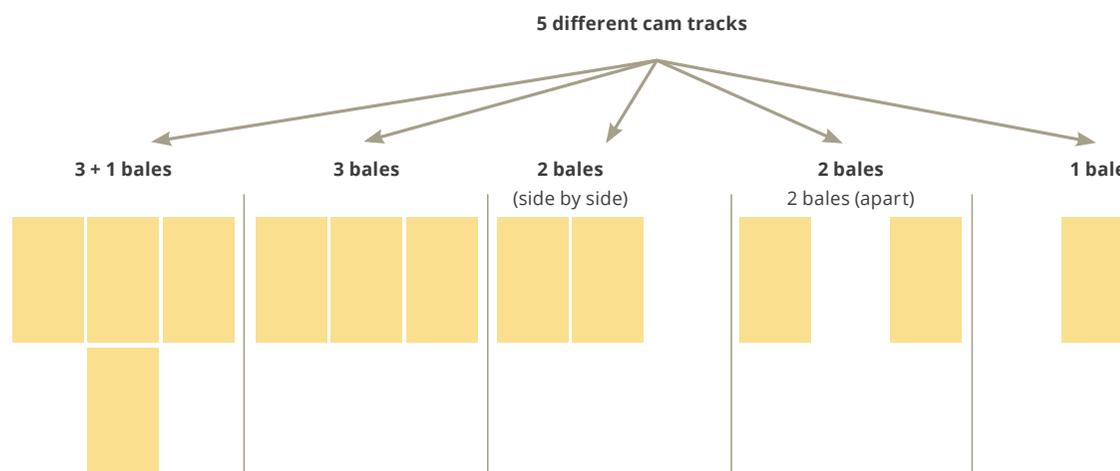
## Reducing loading durations

- Saves time and money in big bale logistics
- Optimum trailing behaviour thanks to telescopic drawbar
- Choice of unloading modes for subsequent work steps
- Standard and integral weighing system
- Efficient and gentle on the soil

Running behind the baler, the KRONE BaleCollect collects up to three square bales from a 120 cm wide chamber or up to five bales from an 80 cm chamber. And has a choice of unloading modes to prepare the bales for the next steps in the field, significantly shortening post-baling loading times, reducing journeys and minimizing soil compaction.

### Depositing the bales to needs

Depending on the individual harvest and process chain, customers may want to have their bales deposited in specific patterns. BaleCollect offers five different unloading modes for 120 cm wide bales. The '3 bales' or '3+1 bales' modes are used to deposit all bales on or near the headland. By comparison, silage bales will be deposited to the '2 bales side by side' mode or the '2 bales apart' mode. These strategies are selected in harvest chains where the following wrapper is wrapping two silage bales into one pack or even picks up the bales itself. Of course, the operator can also push off the bales manually at any time by pressing a button. An optional GPS-based feature deposits the bales along up to five A-B lines.



# Additional equipment

The right kit for every job



## Clear crop quality display

The optional moisture sensor updates the operator on the current crop condition, displaying the information on the monitor in the cab. The information is read out on a cab-based monitor. An alarm is issued automatically whenever a preset parameter is exceeded.



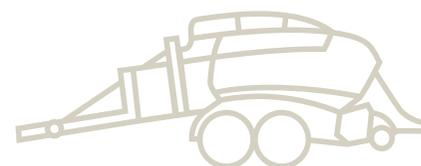
## Precise weight

Would you like to keep track of whether the bale weight is meeting your customers' needs? Then the optional bale chute with integrated weighing system is just the right technology for you. The terminal displays not just the weight of every single bale but also the total weight of the finished baling job.



## Clear view to all sides

You can opt for a reverse-drive CCTV system that comprises a camera and a colour screen which has a second port for a second camera. The camera can also connect to the CCI terminal.



## Options

- **Fully integrated moisture sensor**  
in the baling chamber
- **Fully integrated weighing system**  
in the bale chute
- **Camera system**  
for safe reversing
- **Extra twine boxes**  
at the rear

For even greater convenience and effectiveness, choose from a number of options that add even more features to your machine, including moisture sensing and bale weighing systems that give accurate information on the job at hand, or LED work lights and reverse cameras for unobstructed vision and a clear all-round view. This ensures that you are always precisely informed about your work result thanks to moisture measurement and bale weighing chute. Thanks to LED working lights and a rear-view camera, you always have an overview.



### Turn night into day

The three optional LED work lights illuminate the area behind the baler and the pick-up at the front. Simply connect the lights to the existing harness and switch them from the terminal. Enjoy optimum visibility during those night shifts.



### Smooth start

All KRONE big balers feature a hydraulic start assist system. A hydromotor gets the flywheel up to speed before the tractor pto is engaged – all operated conveniently via the terminal in the cab, naturally.



### Standing firm

To enable the machines to be attached and removed even more easily, KRONE offers an optional hydraulic stand for all machines in the BiG Pack 870, 890, 1270 and 1290 series (standard spec with the BiG Pack 1290 HDP, HDP II, 4 x 4 and machines with PreChop).

# Additional equipment

Further options for even more comfort



## More twine on board

To supplement the main twine boxes, two extra twine boxes can be mounted at the rear of the machine, allowing you to securely carry either 12 balls of twine or 10 balls of twine and one toolbox (not available in combination with the BaleCollect.)



## Hitch for quiet running

Farmers in different countries use different attachment systems: A top- and bottom-mount drawbar is a standard feature on all BiG Packs. A ball- or ring-hitch drawbar is an option for all BiG Packs. Choose between the ball hitch and ring hitch for use with the pivoting drawbar.



## High-pressure cleaning fan

As a standard specification, the BiG Pack 1270, 1290 and 1290 HDP can have a pneumatic knotter cleaning system which can be boosted with a mechanical constant flow fan. The continuous air flow keeps the knotters free from debris before it has a chance to accumulate.





**KRONE SmartConnect KSC – the telematics unit**

The KRONE SmartConnect telematics unit is the hardware element of the KRONE data management system. No matter whether you prefer the Agrirouter, KRONE Smart Telematics or simply E-Solutions software licences – KRONE SmartConnect with a multi-network SIM card is the easiest way to make a connection, because it logs automatically into the network that offers best reception at the site.

**KRONE SmartTelematics**

KRONE Smart Telematics offer fleet managers a bird's-eye view of all machines and their data, keeping them on top of what's going on in the harvest chain without having to make a single phone call. The system generates clear bale maps and detailed information on each bale. There is no better way to document a job! And with a few clicks, you convert the data to simple pdf reports.

**agrirouter – the data sharing hub**

agrirouter is an internet-based and universal data sharing hub for farmers and contractors that connects machines and farm software applications no matter the brand or developer. The universal approach allows owners of mixed fleets to use and share the data of all their machines – a huge benefit that saves time and increases productivity of your business.

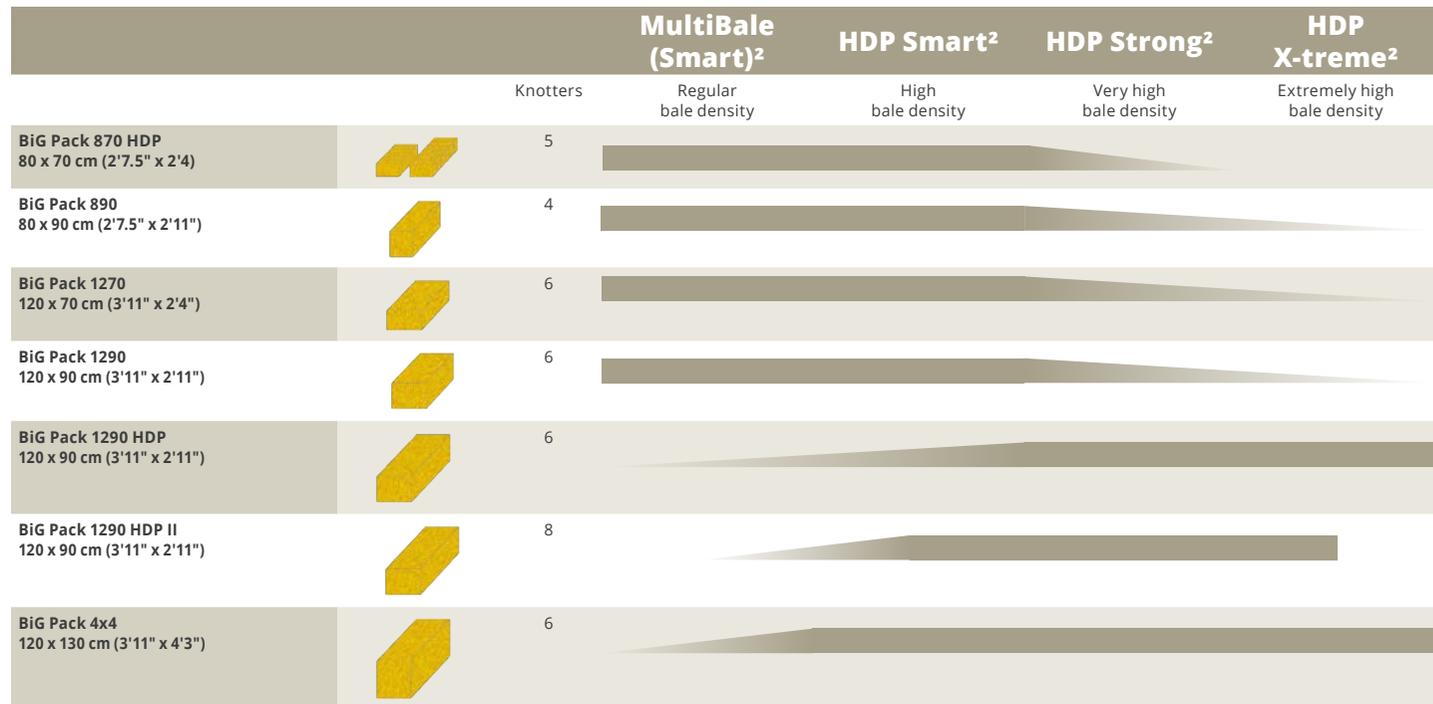


# KRONE excellent twine

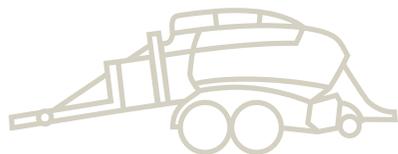
Original twines from KRONE for optimum grip



- This twine has been developed and optimized to the specifications of the **KRONE BiG Pack** baler and the system.
- **Greatest knot strength**, superior to regular twines of an average 220 kgf tear resistance
- **Optimum fibrilling** ensures effective knotting



Twine		MultiBale Smart <sup>2</sup>	MultiBale	MultiBale	HDP Smart <sup>2</sup>	HDP Strong <sup>2</sup>	HDP X-treme <sup>2</sup>
Double pack	order no.	27 023 342 0	927 943 0	923 944 0	27 023 343 0	27 023 217 0	27 023 218 0
Colour							
Max. knot strength	kgf	245	245	245	280	315	335
Weight	kg/roll	11	10	11	11	11	11
Roll length	m/roll	1,342	1,050	1,430	1,287	1,188	1,122
Roll length	m/kg	122	105	130	117	108	102
UV-stability		high	high	high	high	high	high





**KRONE excellent MultiBale (Smart)<sup>2</sup>**

MultiBale<sup>2</sup> is a new KRONE twine which offers an approximately 28% longer roll length than MultiBale and yet the same level of knot strength.

**KRONE excellent HDP Strong<sup>2</sup>**

This twine is recommended when baling extremely dense bales and in difficult harvest conditions. HDP Strong<sup>2</sup> offers added strength and longer roll lengths over the HDP Strong twine, delivering the traditional KRONE quality to users with extra high requirements.

**KRONE excellent HDP Smart<sup>2</sup>**

The use of the correct twine is critical when tying high-density bales. The KRONE excellent Twine HDP Smart<sup>2</sup> was specifically developed for high-density big balers. The new twine goes through the knotter and the twine guides experiencing only minimum wear. HDP Smart<sup>2</sup> offers added roll length over the traditional HDP Smart twine whilst retaining the high knot strength.

**KRONE excellent HDP X-treme<sup>2</sup>**

This twine is the power package in the KRONE twine family. Offering an enormous resistance to tearing and great knot strength, this is the twine of choice for baling highest-density bales. Withstanding the harshest harvest conditions such as exposure to high UV radiation, HDP X-treme<sup>2</sup> keeps even the heaviest bales in firm shape.





## Technical data



The BiG Pack standard programme		BiG Pack 890 HighSpeed	BiG Pack 890 XC HighSpeed	BiG Pack 1270 HighSpeed	BiG Pack 1270 XC HighSpeed
Chamber width x height	(cm)	80 x 90 (2'7.5" x 2'11")	80 x 90 (2'7.5" x 2'11")	120 x 70 (3'11" x 2'4")	120 x 70 (3'11" x 2'4")
Bale length	m	1.0 - 2.7 (3'3" - 8'10")	1.0 - 2.7 (3'3" - 8'10")	1.0 - 2.7 (3'3" - 8'10")	1.0 - 2.7 (3'3" - 8'10")
Tractor power	Min. kW/hp	80 / 109	95 / 129	85 / 116	100 / 136
Pick-up work width DIN	m	1.95 / 2.35 (6'5"/7'8.5")	1.95 / 2.35 (6'5"/7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")
Length in transport position	m	7.95 (26'1")	7.95 (26'1")	7.95 (26'1")	7.95 (26'1")
Length in working position	Approx. m	9.18 (30'1")	9.18 (30'1")	9.18 (30'1")	9.18 (30'1")
Height	m	3.14 (10'4")	3.14 (10'4")	2.94 (9'8")	2.94 (9'8")
Width	mm	2.59* / 2.99 (8'6"*/9'10")	2.59* / 2.99 (8'6"*/9'10")	2.99 (9'10")	2.99 (9'10")
Min weight**	(approx. t)	7.8	8.8	8.4	9.4
Tyres for the 40 km/h single axle		710 / 45 - 22.5 171 A8			
Tyres for 60 km/h tandem axles		500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D -	500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D -	500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D -	500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D 620 / 50 R 22.5 154 D
Brakes		Air/hydr.	Air/hydr.	Air/hydr.	Air/hydr.
Twine storage**	No. of rolls	32	32	32	32
PreChop		-	-	-	Option
Single knotter		-	-	6 series	6 series
Double knotter		4 series	4 series	6 option	6 option
MultiBale		-	-	Option	Option
Max. no. of blades		-	16	-	26
Min. cutting length	mm	-	44	-	44
Plunger strokes	no. of strokes/minute	49	49	45	45
BaleCollect		Option	Option	Option	Option



The BiG Pack standard range		BiG Pack 1270 VC HighSpeed	BiG Pack 1290 HighSpeed	BiG Pack 1290 XC HighSpeed	BiG Pack 4 x 4 HighSpeed	BiG Pack 4 x 4 XC HighSpeed
Chamber width x height	(cm)	120 x 70 (3'11" x 2'4")	120 x 90 (3'11" x 2'11")	120 x 90 (3'11" x 2'11")	120 x 130 (3'11" x 4'3")	120 x 130 (3'11" x 4'3")
Bale length	m	1.0 - 2.7 (3'3" - 8'10")	1.0 - 2.7 (3'3" - 8'10")	1.0 - 2.7 (3'3" - 8'10")	1.0 - 3.2 (3'3" x 10'6")	1.0 - 3.2 (3'3" x 10'6")
Tractor power	Min. kW/hp	135 / 184	90 / 122	105 / 143	130 / 177	145 / 197
Pick-up work width DIN	m	2.35 (7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")
Length in transport position	m	7.95 (26'1")	7.95 (26'1")	7.95 (26'1")	9.15 (30')	9.15 (30')
Length in working position	Approx. m	9.18 (30'1")	9.18 (30'1")	9.18 (30'1")	10.85 (35'7")	10.85 (35'7")
Height	m	2.94 (9'8")	3.14 (10'4")	3.14 (10'4")	3.56 (11'8")	3.56 (11'8")
Width	mm	2.99 (9'10")	2.99 (9'10")	2.99 (9'10")	2.99 (9'10")	2.99 (9'10")
Min weight**	(approx. t)	10.1	8.9	9.9	13.1	13.8
Tyres for the 40 km/h single axle		-	710 / 45 - 22.5 171 A8	710 / 45 - 22.5 171 A8	-	-
Tyres for 60 km/h tandem axles		- 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D 620 / 50 R 22.5 154 D	500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D -	500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D 620 / 50 R 22.5 154 D	550 / 45 22.5 20 PR 560 / 45 R 22.5 146 D 620 / 50 R 22.5 154 D 620 / 55 R 26.5 166 D 710 / 50 R 26.5 170 D	550 / 45 22.5 20 PR 560 / 45 R 22.5 146 D 620 / 50 R 22.5 154 D 620 / 55 R 26.5 166 D 710 / 50 R 26.5 170 D
Brakes		Air/hydr.	Air/hydr.	Air/hydr.	Air/hydr.	Air/hydr.
Twine storage**	No. of rolls	32	32	32	32	32
PreChop		Option	-	Option	-	-
Single knotter		6 series	-	-	-	-
Double knotter		6 option	6 series	6 series	6 series	6 series
MultiBale		Option	-	-	-	-
Max. no. of blades		51	-	26	-	26
Min. cutting length	Work width (pick-up) mm	22	-	44	-	44
Plunger strokes	no. of strokes/minute	45	45	45	38	38
BaleCollect		Option	Option	Option	Option	Option

\* For standard pick-up and depending on tyres  
 \*\* Varies according to machine specification  
 \*\*\* Including the optional twine boxes (+ 12 balls)





## Technical data



The BiG Pack HDP programme		BiG Pack 870 HDP HighSpeed	BiG Pack 870 HDP XC HighSpeed
Chamber width x height	cm	80 x 70 (2'7.5" x 2'4")	80 x 70 (2'7.5" x 2'4")
Bale length	m	0.5 - 2.7 (1'8" - 8'10")	0.5 - 2.7 (1'8" - 8'10")
Tractor power	min. kW/hp	105 / 143	120 / 163
Pick-up work width DIN	m	1.95 / 2.35 (6'5"/7'8.5")	1.95 / 2.35 (6'5"/7'8.5")
Length in transport position	m	7.95 (26'1")	7.95 (26'1")
Length in working position	approx. m	9.18 (30'1")	9.18 (30'1")
Height	m	2.96 (9'8.5")	2.96 (9'8.5")
Width	m	2.59* / 2.99 (8'6"*/9'10")	2.59* / 2.99 (8'6"*/9'10")
Min weight**	(approx. t)	9.0	9.4
Tyres for the 40 km/h single axle		-	-
Tyres for 50-60 km/h tandem axles		500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR - 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D	500 / 50 - 17 14 PR 550 / 45 - 22.5 16 PR - 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D
Brakes		Air/hydr.	Air/hydr.
Twine storage**	No. of rolls	32	32
PreChop		-	-
Single knotter		-	-
Double knotter		5 series	5 series
MultiBale		Standard	Standard
Max. no. of blades		-	16
Min. cutting length	Work width (pick-up) mm	-	44
Plunger strokes	no. of strokes/minute	49	49
BaleCollect		Option	Option



The BiG Pack HDP range		BiG Pack 1290 HDP HighSpeed	BiG Pack 1290 HDP XC HighSpeed	BiG Pack 1290 HDP VC HighSpeed	BiG Pack 1290 HDP II	BiG Pack 1290 HDP II XC
Chamber width x height	cm	120 x 90 (3'11" x 2'11")	120 x 90 (3'11" x 2'11")	120 x 90 (3'11" x 2'11")	120 x 90 (3'11" x 2'11")	120 x 90 (3'11" x 2'11")
Bale length	m	1.0 - 3.2 (3'4" - 10'6")	1.0 - 3.2 (3'4" - 10'6")	1.0 - 3.2 (3'4" - 10'6")	1.0 - 3.2 (3'4" - 10'6")	1.0 - 3.2 (3'4" - 10'6")
Tractor power	min. kW/hp	130 / 177	145 / 197	180 / 245	170 / 231	190 / 258
Pick-up work width DIN	m	2.35 (7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")	2.35 (7'8.5")
Length in transport position	m	8.75 (28'8.5")	8.75 (28'8.5")	8.75 (28'8.5")	9.13 (29'11")	9.13 (29'11")
Length in working position	approx. m	9.40 (30'10")	9.40 (30'10")	9.40 (30'10")	10.80 (35'5")	10.80 (35'5")
Height	m	3.14 (10'4")	3.14 (10'4")	3.14 (10'4")	3.71 (12'2")	3.81 (12'6")
Width	m	2.99 (9'10")	2.99 (9'10")	2.99 (9'10")	2.99 (9'10")	2.99 (9'10")
Min weight**	(approx. t)	12.0	12.6	13.0	14.2	15.400
Tyres for the 40 km/h single axle		-	-	-	-	-
Tyres for 50-60 km/h tandem axles		- 550 / 45 - 22.5 20 PR - 560 / 45 R 22.5 146 D 620 / 40 R 22.5 148 D	- 550 / 45 - 22.5 20 PR - 560 / 45 R 22.5 146 D 620 / 50 R 22.5 154 D	- - - 560 / 45 R 22.5 146 D 620 / 50 R 22.5 154 D	560 / 45 R 22.5 146 D 620 / 50 R 22.5 154 D 620 / 50 R 22.5 161 D 620 / 55 R 26.5 166 D 710 / 50 R 26.5 170 D	560 / 45 R 22.5 146 D 620 / 50 R 22.5 154 D - 620 / 55 R 26.5 166 D 710 / 50 R 26.5 170 D
Brakes		Air/hydr.	Air/hydr.	Air/hydr.	Air/hydr.	Air/hydr.
Twine storage**	No. of rolls	32	32	32	54	54
PreChop		-	Option	-	-	-
Single knotter		-	-	-	-	-
Double knotter		6 series	6 series	6 series	8 series	8 series
MultiBale		-	-	-	-	-
Max. no. of blades		-	26	51	-	26
Min. cutting length	Work width (pick-up) mm	-	44	22	-	44
Plunger strokes	no. of strokes/minute	45	45	45	45	45
BaleCollect		Option	Option	Option	Option	Option

\* For standard pick-up and depending on tyres

\*\* Varies according to machine specification

\*\*\* Including the optional twine boxes (+ 12 balls)



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