



BiG Pack

Large square balers





BiG Pack

Large square balers

- HighSpeed: Much higher capacity thanks to higher stroke frequency and larger pre-chamber
- HDP: higher bale density – up to 25 % heavier bales
- HDP II: Up to 70 % higher throughput or up to 10 % higher bale density





One step ahead – with a KRONE BiG Pack. Producing up to 35 % heavier, rock-hard bales with the BiG Pack HDP II or tying up to nine small bales neatly into one big bale with the MultiBale system, you'll always be ahead of the field, using first-time innovations you won't find anywhere else.

The BiG Pack product range –
designed for success

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BiG Pack









Large square balers

- Chamber sizes from 80 x 70 cm (2'7.5"x2'4") to 120 x 130 cm (3'11"x4'3")
- Camless EasyFlow Pick-up with powered feed roller
- VFS Variable Filling System
- The Cutting systems XCut, VariCut, PreChop
- MultiBale system: up to nine small bales in one pack
- PreChop: for finely chopped, short straw lengths



KRONE BiG Pack: designed for success

By buying a KRONE large square 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. Underpinning the success of the KRONE BiG Pack are such acclaimed innovations like the Variable Filling System, the unique MultiBale system and the camless EasyFlow pick-up. Because KRONE makes what customers want.

The BiG Pack model range (by chamber size)		
BiG Pack 870 HDP MultiBale BiG Pack 870 HDP MultiBale XC	80 x 70 cm (2'7.5" x 2'4") up to 9 small bales per 270 cm (8'10") big bale	
BiG Pack 890 BiG Pack 890 XC	80 x 90 cm (2'7.5" x 2'11")	
BiG Pack 1270 BiG Pack 1270 XC BiG Pack 1270 VC	120 x 70 cm (3'11" x 2'4")	
BiG Pack 1270 MultiBale BiG Pack 1270 MultiBale XC BiG Pack 1270 MultiBale VC	120 x 70 cm (3'11" x 2'4") up to 9 small bales per 270 cm (8'10") big bale	
BiG Pack 1290 BiG Pack 1290 XC	120 x 90 cm (3'11" x 2'11")	
BiG Pack 1290 HDP BiG Pack 1290 HDP XC BiG Pack 1290 HDP VC	120 x 90 cm (3'11" x 2'11")	
BiG Pack 1290 HDP II BiG Pack 1290 HDP II XC	120 x 90 cm (3'11" x 2'11")	
BiG Pack 4x4 BiG Pack 4x4 XC	120 x 130 cm (3'11" x 4'3")	



The BiG Pack standard product range



BiG Pack 890 (XC)

With four double knotters and a chamber measuring 90x80 cm (2'11" x 2'7.5") (h x w), this machine has proved its worth time and again – not just in straw but also in heavy, wet silage.



BiG Pack 1270 (XC/VC)

The 70 cm (2'4") high x 120 cm (3'11") 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 1270 (XC/VC) MultiBale

This version enables you to pack up to 9 small packs in one big bale. The benefit? Big bales can be cleared quickly from the field, and the smaller packs are easy to distribute later on.



BiG Pack 1290 (XC)

These solid 90x120 cm (2'11" x 3'11") (h x w) 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 4 x 4 (XC)

With a chamber height of 130 cm (4'3"), 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.



The BiG Pack HDP models

BiG Pack 870 HDP (XC) MultiBale HighSpeed

The 3-in-1 machine. With a chamber measuring 80x70 cm (2'7.5" x 2'4"), it produces the same densities as a BiG Pack HDP. This baler also comes with the MultiBale function, enabling 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.



The high-performance compactor



BiG Pack 1290 HDP II (XC)

Higher density – higher forward speeds. With its 8 double knotters, this baler produces up to 70% more throughput or up to 10 % higher bale densities than the BiG Pack HDP. It also delivers a lot more power on the field, making your straw logistics more efficient.

Active Pick-up

EasyFlow Pick-up with powered feed roller

- Neat work – 30 % higher pick-up speed for better results
- 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



Cleans up every time

Working at a width of 1,950 (6'5") or 2,350 mm (7'8.5") (DIN 11220) and kitted out with five rows of tines spaced 55 mm (2.2") 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. The large, high-mounted crop press roller optimizes the crop flow even in wide swaths.



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.

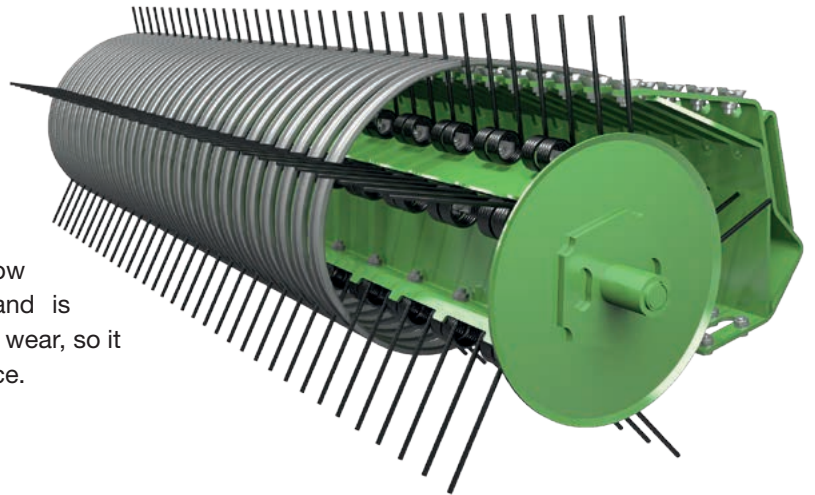


More throughput with camless pick-up and powered feed roller

KRONE Active Pick-up – a clever combination of the tried-and-trusted camless EasyFlow Pick-up plus an additional powered feed roller. The highlight of this pick-up unit is the special design of the galvanized scrapers that ensure a constant crop flow as the tines retract. EasyFlow can work 30 % faster – enabling you to work at faster ground speeds and with higher throughputs.

Benefits couldn't be clearer

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.



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.



KRONE XCut

Precision cuts from the blade bed

- 16 blades for a chamber width of 0.8 m (2'7.5") and 26 blades for 1.2 m (3'11")
- Tines with wide, hard-wearing Hardox plates
- Blade bank lowers hydraulically and pulls out like drawer
- Blades selected in sets



Strong rotor, strong cut

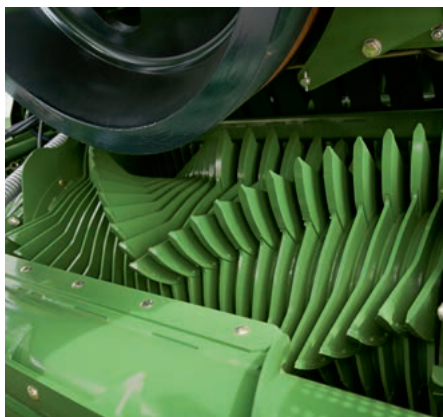
The large diameter of 550 mm (1'10") (720 mm (2'4") on the BiG Pack HDP II) is impressive. Arranged in a V-shape, the tines pull the crop through the blades with a minimum of input power and keep the bale chamber consistently filled across the whole width.

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 separately operated poly V-belt.

Wide Hardox plates on the feed tines

The 20 mm (0.8") wide Hardox plates deliver higher throughputs, a clean, scissor-like cut and greater resistance to wear – your guarantee of high-quality forage. Any mushing is eliminated.



Finest quality cuts

With a full set of blades you can achieve nominal LOCs of 44 mm (1.7"). To disengage all the blades or to work with just half a set, the blade control system switches over quickly and easily without the use of tools. The feed tines are arranged chevron-style and are plated with wide Hardox steel, reducing power input and delivering the finest cuts, high throughputs and maximum longevity. The blade floor adapts to the crop flow and makes the BiG Pack even more efficient.



The 'pull-out drawer' principle

The XCut cutting system has two blade beds which are lowered hydraulically for easy replacement of the blades. Each bed 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

Central blade control system for different cutting lengths: select the full set of blades to obtain a nominal length of 44 mm (1.7"), or half a set for 88 mm (3.5"). When the blades are not engaged, the crop is not cut.

KRONE VariCut

The multi-blade cutting system

- Up to 51 blades
- Flexible groups of blades
- Powerful belt driven four-star rotor
- Top-quality short straw
- Straightforward and convenient maintenance



Convenient overload protection

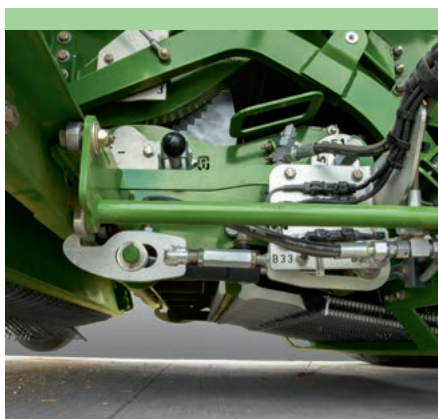
A side-mounted poly V-belt drives the pick-up and the rotor. The rotor has permanent slip control that switches it off automatically if it becomes overloaded. Then the blades retract automatically from the crop flow. To resume work, the operator restarts the rotor and then engages the blades – this is all done remotely from the cab.

Gap-free fit

As the blades are engaged hydraulically the blade cassette is secured in the frame, taking the strain off the cassette's rolls and effectively absorbing any vibrations that occur during cutting and ensuring easy opening and closing of the cassette.

Flexible groups of blades

The blades can be preselected without tools in six groups of 51, 26, 25, 12, 5 or 0. The preselected group is engaged hydraulically from the cab. The cams are attached to the shaft and can be refitted according to user needs.



Blade group control system for maximum flexibility

VariCut offers a multi-blade cutting system on BiG Pack 1270 and BiG Pack 1290 HDP that offers great flexibility with up to 51 blades. A new belt drive and a four-star rotor increase throughputs – no matter how much volume is being handled.

VariCut produces short straw chops down to a theoretical length of 22 mm (9") – the ideal solution for more structure in your forage or when using the straw as bedding.



Easier cleaning

A service aperture above the blades is opened in a single action to remove any debris that may collect there. Additionally, the area around the blades and the individual blade springs is cleaned with an integrated compressed air cleaning system.



Convenient assembly and maintenance

Via a quick coupler, the single-piece blade cassette pulls out conveniently to the side on an optional trolley and is stored on a pallet truck for maintenance.

VFS

The Variable Fill System

- High throughput thanks to multiphase feed 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



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, and in easier conditions you can go down to 800 rpm and 36 strokes, enabling you to produce rock-solid bales and save fuel at the same time.



Rock-solid bales every time

The VFS Variable Filling System from KRONE delivers rock-solid, stable bales even in thin

swaths and at slow ground speeds. The principle of the VFS

system: first, the packer and feeder tines convey the crop into the feed chamber where it is collected and pre-compressed. Once the feed chamber is completely full, the feeder rake pushes the crop into the bale chamber.



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 large square baler technology to a whole new level. VFS 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 3 or 4 packer rakes and one feeder rake as well as a retainer. The packers run in a shared cam track whereas the feeder rakes run in a separate moving cam track.

Fig. 2:

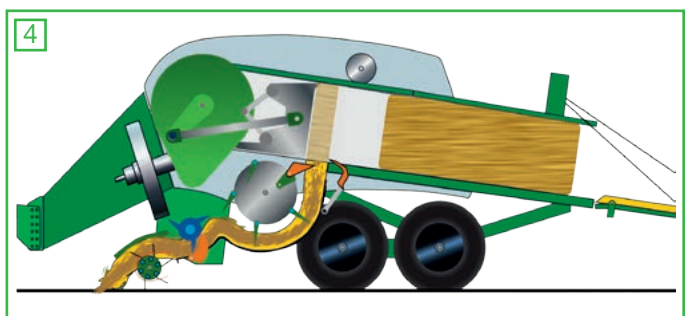
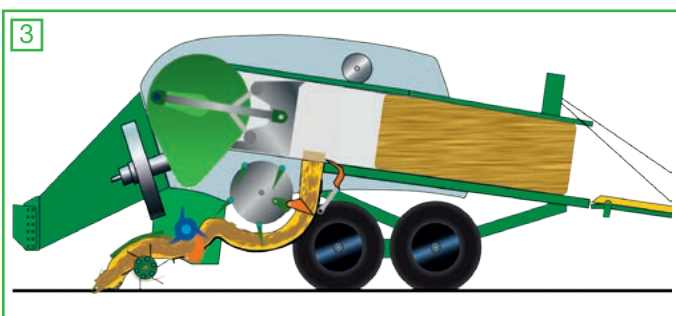
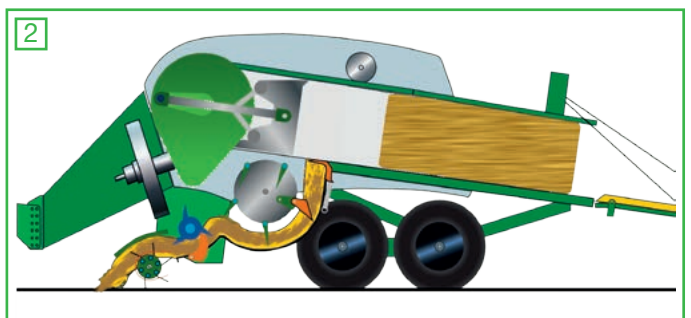
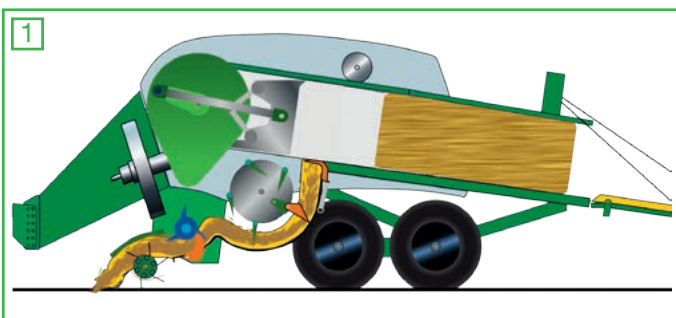
As long as the feeder cam track does not swing off path, the packers and the feeder continue feeding material into the feed chamber, pre-compressing it as they go. The retainer holds the material in the feed chamber, preventing it from entering the baling chamber.

Fig. 3:

When the feeding chamber is filled to capacity, the retainer gives way to the pressure and clears the way for the material to enter the baling chamber, releasing a clutch as it does so.

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 original positions.





The driveline

Efficiency from flywheel to bale chute

- 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



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 engaged. 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.



Automatic baling pressure control

Tidy, rock-solid bales with smooth edges and consistent densities – that's just one of the special features of the KRONE BiG Pack. The on-board hydraulic system with automatic baling pressure control maintains bale shape and tidy edges, even in damp conditions and with 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.

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.



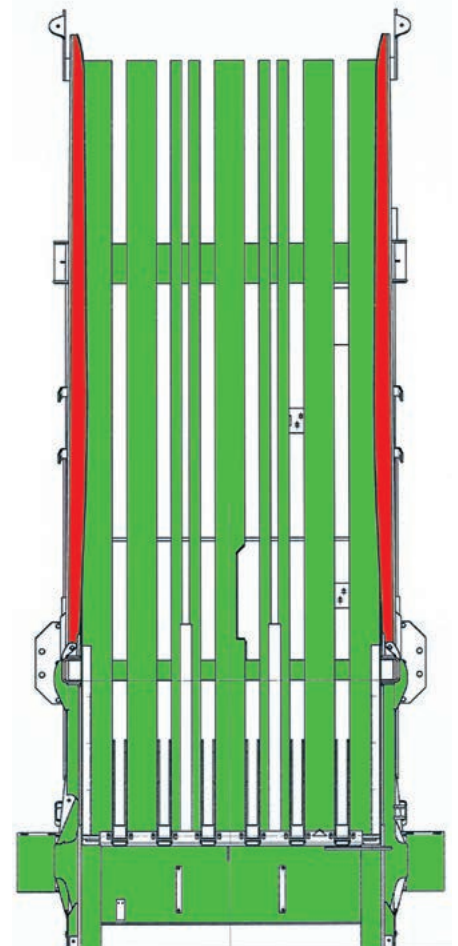
Direct drive

On KRONE large square 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.



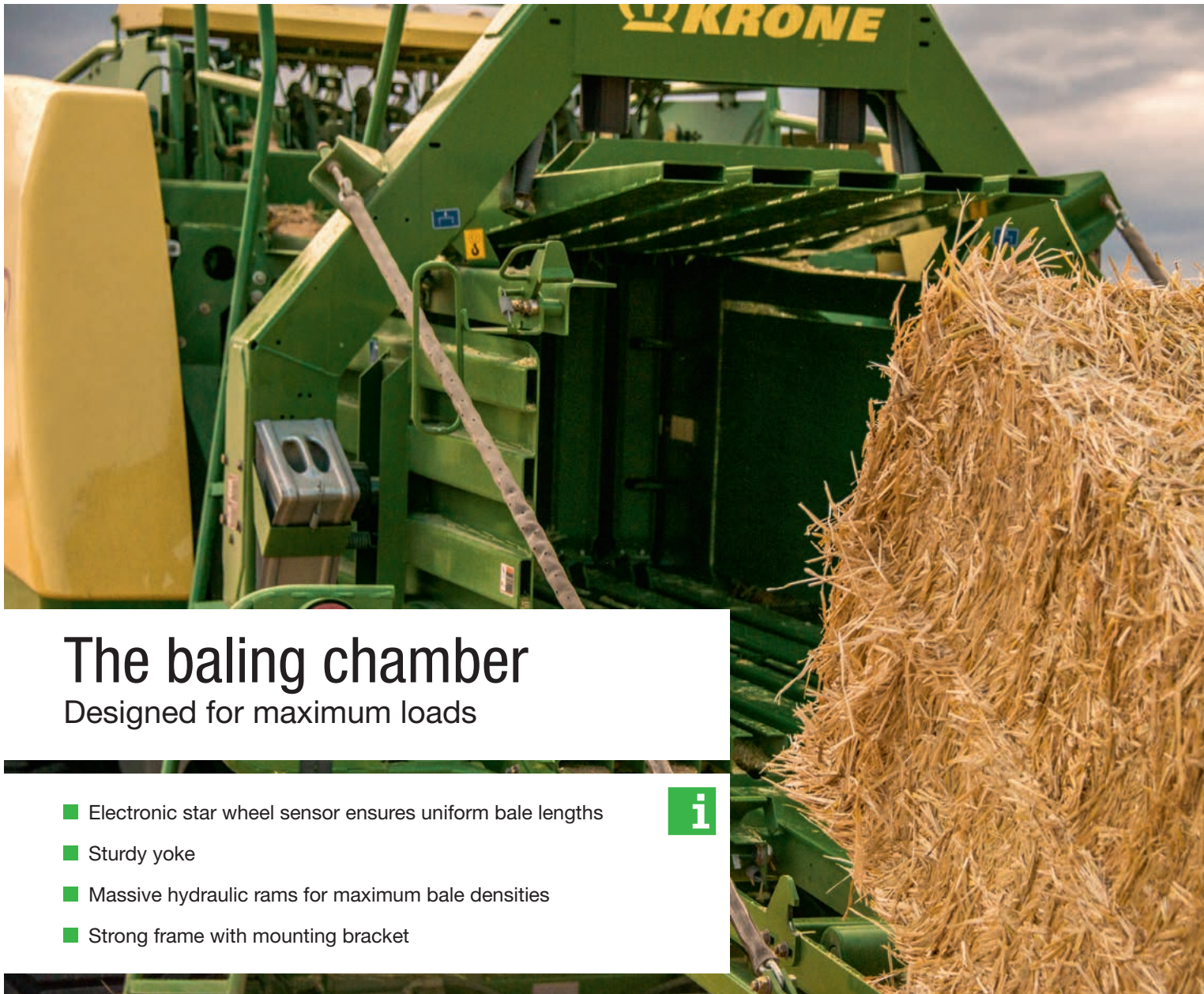
Powerful and safe

KRONE equips its large square balers with extremely long plungers which support the work of the needles. 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.



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.



The baling chamber

Designed for maximum loads

- Electronic star wheel sensor ensures uniform bale lengths
- Sturdy yoke
- Massive hydraulic rams for maximum bale densities
- Strong frame with mounting bracket



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 beefy frame to accommodate a hitch that allows kit such as bale collectors to be attached more easily.



Running gear approved for 60 km/h

Constantly improving cost efficiency and output is a top priority at KRONE. KRONE BiG Pack large square balers are mostly used by contractors and need to be moved constantly from field to field. The baler's running gear and its maximum permitted speed are an important factor in boosting daily outputs. Because time is money.



Fast moving on uneven terrain

With the tandem axle designed as a boogie unit, BiG Pack runs smoothly and quietly at speeds of up to 60 km/h (37 mph) – to the pleasure of man and machine. Rear wheel steering gives you full control in every twist and turn. Tyre scrubbing is avoided and the sward remains intact. For even greater convenience while reversing, the steering axle is moved hydraulically into mid-position and locked. The sprung boogie tandem axle unit can be equipped with large tyres ranging from 17" to 26.5".

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 (25 mph) or an optional tandem axle for speeds of up to 60 km/h (37 mph).



4-leaf parabolic spring suspension

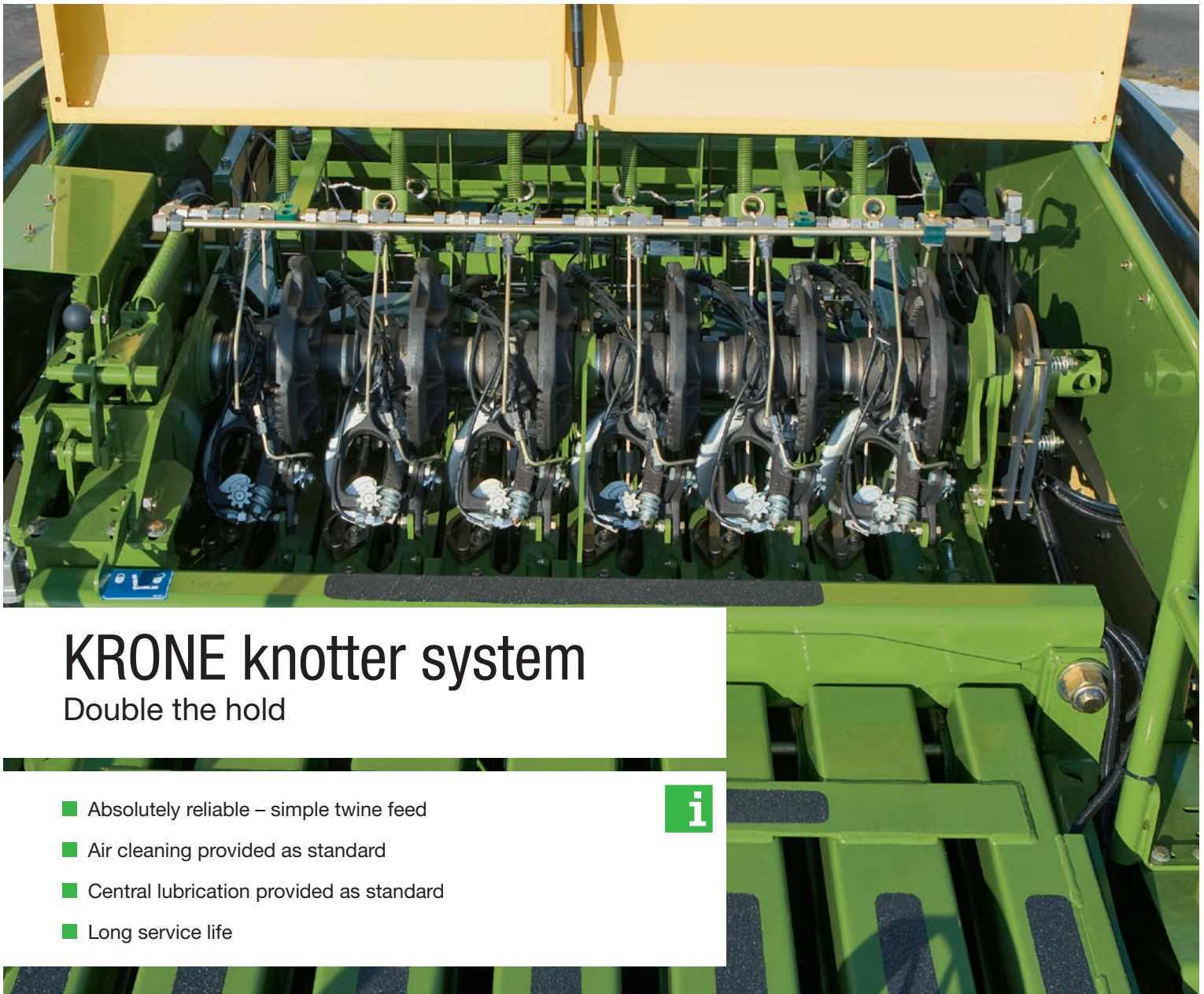
Giving large travel, the spring assembly spreads the machine weight evenly between the front and rear axles – a special boon in boggy terrain.



The choice is yours

The boogie tandem axle is available in two versions: a rigid and caster steered axle with a locking ram that locks it in its middle position. Both versions are approved for 60 km/h (37 mph) provided they are fitted with appropriate tyres.





KRONE knotter system

Double the hold

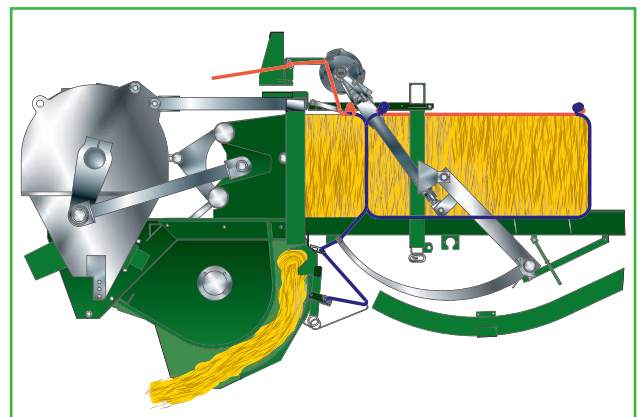
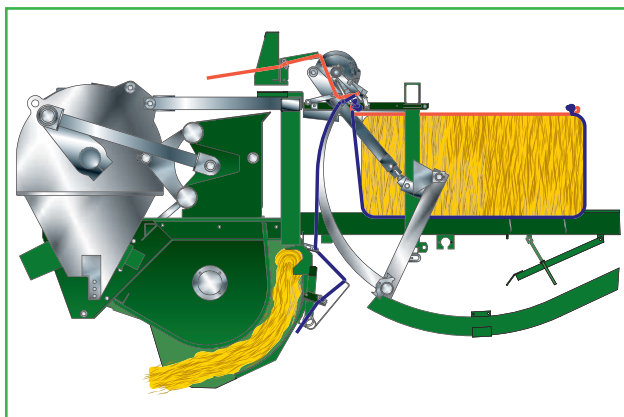
- Absolutely reliable – simple twine feed
- Air cleaning provided as standard
- Central lubrication provided as standard
- Long service life



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.



Perfectly knotted every time

The KRONE knotting system delivers a high-density and firm bale every single time. The double knotter technology 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 air cleaning system guarantees ultra-reliable knotting – even in extreme conditions. The airlines clean the knotters regularly with a jet of compressed air.

On-board compressor

Not all tractors in every country feature an compressor. To ensure no machine has to do without the compressed-air knotter cleaning system, the KRONE balers are equipped with an on-board compressor.

Enough twine for knotting

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



KRONE MultiBale

Small bales in a big package

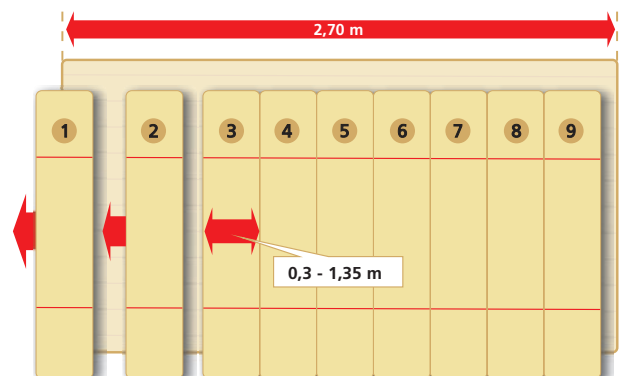
- Up to nine small bales in one single big pack
- Small bales from 0.3 to 1.35 m (1' to 4'5")
- BiG performance in the field
- Small bales for easy handling in the yard



From big to small

The operator sets the required number of bales on the control box in the cab while working in the field. In addition to choosing the total length of the big bale from 1 to 2.7 m (3'3" to 8'10"), he can select the number of small packs as well. The smaller bales are held together

with two strings, while the big bale has three (BiG Pack 870) or four (BiG Pack 1270). Naturally you can also produce traditional full-size single bales that are tied by five or six strings.



MultiBale – a KRONE exclusive

Up to nine single bales in one big bale: the award-winning KRONE MultiBale system makes bales much easier to handle. The small bales can be between 0.3 and 1.35 m (1' to 4'5") in length. Naturally, you can also produce conventional big bales with lengths of up to 2.7 m (8'10"). The MultiBale system helps you win new customers and delivers outstanding flexibility in terms of bale packs.

A customer's wish come true

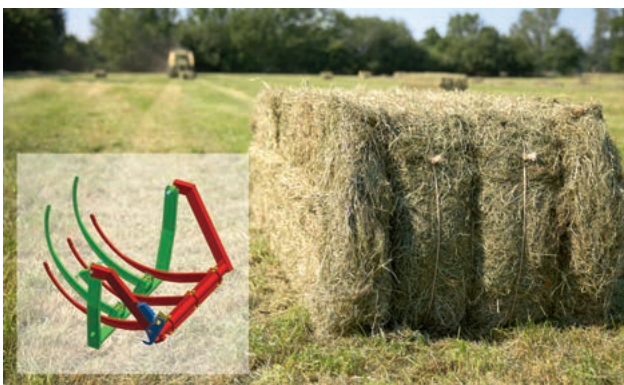
The MultiBale system has double knotter technology and is controlled via the on-board Comfort control unit. MultiBale gets the field cleared quickly and you can supply your customers with big bales made up of small packs. The MultiBale system made its mark on the market in no time. After all, small bales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



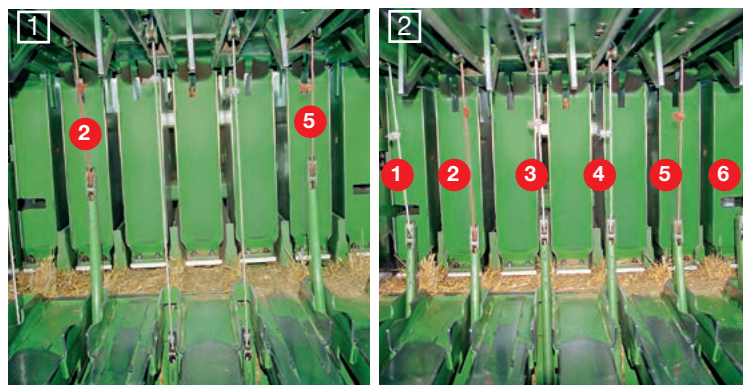
Divided needle yokes

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. The knotters will only work when they are supplied with twine, so 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.



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



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



Control units

Putting you in control

- High-resolution colour touch screen
- Specified to ISOBUS standards, the CCI terminal controls all ISOBUS-compatible machines from KRONE as well as from other manufacturers
- CCI and ICAN: The CCI terminal offers a variety of different applications in addition to machine operation
- If the KRONE BiG Pack is hitched to an ISOBUS compatible tractor, you can use the existing tractor terminal to control it



Delta terminal

The Delta terminal is an easy-use display unit that offers convenient control and monitoring of the KRONE machine attached. The easy-to-read colour touch screen gives the operator a full overview of all machine features and functions. Provided the tractor is suitably specified, it also uses data from the tractor to control the baler, such as locking the steered axle automatically when the combination reverses.

Towards a digital future

With the ISOBUS-compatible BiG Pack, KRONE customers can take a huge step towards a digital future right now. But it's up to you how many steps you want to take at a time. The KRONE Delta terminal features a user-friendly colour touch screen with a clear overview of all the key machine data. Opt for the ISOBUS-compatible CCI terminal and benefit from its virtually unlimited potential.



CCI terminal

The ISOBUS-compatible CCI terminal is your admission ticket to the digital data world. Here's an example of what it can do for you: send a job straight to the in-cab terminal from your office PC, and the field navigation system will guide you straight to the right field. Once you start the job in the Task Manager, the system starts collecting data. At the end of the job, you send the data to the office PC via the internet or save it on a USB stick for uploading into the farm management software system. Last, the invoice drops out of the printer or a screen map shows the bales as they are scattered in the field. All this is available from a suitably specified CCI Terminal. For more information, please refer to our ICAN brochure.



ISOBUS-compatible 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 usual user interface on the display in the cab. Optional controls like the WTK joystick make the tractor even easier to operate, depending on the tractor specification.





BiG Pack

890/1270/1290/4x4

- BiG Pack 890: slimline machine for handy sized bales
- BiG Pack 1270: single or double knotters with optional MultiBale function
- BiG Pack 1290: the world's most popular bale size
- BiG Pack 4x4: high throughput and the world's biggest square bales



BiG Pack 890 (XC):

At 80 x 90 cm (2'7.5" x 2'11"), this machine has the smallest chamber of any of the standard range of KRONE large square balers. The handy, lightweight bales it produces are perfect for smaller farms that harvest smaller quantities of straw and hay. This machine is available either with a single axle or a rigid, steered tandem axle. Also, choose between Medium and Comfort on-board electronic controls. An Active Pick-up with a 1.95 m (6'5") wide powered feed roller is standard spec, and a 2.35 m (7'8.5") wide pick-up is available as an option.



No-compromise balers

KRONE large square balers are shining examples of exceptional baling density, output and convenience. With their different chamber dimensions and many unique features, the BiG Pack 890 (XC), 1270 (XC/VC), 1290 (XC) and 4x4 (XC) deliver exceptional performance in straw, hay and other crops the world over. Every BiG Pack produces consistently stable bales – from small packs to the biggest bales on the market.



BiG Pack 1270 (XC/VC):

This machine produces bales measuring 120 cm (3'11") wide x 70 cm (2'4") high – one of the most popular bale sizes, particularly in Europe. Choose between single and double knotters. This machine is also available as a MultiBale version, enabling you to pack up to 9 small packs in one big bale. In this case you'll need a double knotter and the on-board Comfort electronic system.



BiG Pack 1290 (XC):

The true all-rounder in the range. With its six double knotters and 120 cm (3'11") wide x 90 cm (2'11") high baling chamber, this baler produces firm, tidy bales in exactly the right size for the international market.



BiG Pack 4x4 (XC):

Designed to impress: this large square baler has a massive baling chamber measuring 4x4 ft (120x130 cm) and produces bales up to 3.2 m (10'6") in length. The BiG Pack 4x4 produces the world's biggest square bales. A flywheel weighing more than 600 kg (1,323 lbs) and the powerful main gearbox press the material through the baling chamber at up to 38 strokes/minute – powerfully and gently at the same time. These massive bales are ideal for use both on the farm and in industrial applications.

High-Density Press

Developed by professionals for professionals

- Ground-breaking high-density baling technology
- Exceptionally high density and excellent handling
- Highly efficient straw logistics



The HDP idea

Back in 2003, KRONE took an in-depth look at how to optimize the straw haulage chain.

These are just some of the issues involved in handling large amounts of straw:

- time-consuming handling
- expensive labour
- expensive logistics
- inadequate use of truck capacity
- large storage capacities needed.

KRONE soon realized that the only way to scale down costs would be to produce heavier – in other words, higher density – bales.

And so the concept of the High-Density Press was born.

The fascination of HDP – Boost your bottom line

The benefits speak for themselves. These days roughly one in every 10 large square balers sold worldwide is a KRONE BiG Pack 1290 HDP. And our HDP portfolio has kept on growing. Now high-density square bales are also available in a handy bale size with the BiG Pack 870 HDP MultiBale.



Get the field cleared fast

Harvesting a crop that yields 4 tonnes of straw per hectare and producing 500 kg (1,102 lbs) bales rather than the 400 kg (882 lbs) from a conventional large square baler cuts the number of bales to be collected by two per hectare. Even though the machine uses higher quality twine – KRONE recommends the 110 m/kg KRONE Excellent Twine HDP – twine costs drop by up to 25% courtesy of the higher baling density.



Cutting costs

The profitability and cost-effectiveness of straw baling depends to a great extent on the baling, transportation and storage costs. KRONE has the answer with the HDP system. The up to 25% higher density bales cut the production costs per tonne, increasing the profit potential of professional straw sales. A BiG Pack HDP is your guarantee of success. It's the smart way to work.



BiG Pack HDP II – unbeatable

KRONE has developed a completely new large square baler that scales new heights in efficient straw handling. The HDP II is the undisputed market leader when it comes to baler throughput. The HDP II beats a standard HDP baler hands down when it comes to baling speed. This large square baler delivers up to 70% more throughput while maintaining the same density. Getting every field cleared fast.



BiG Pack

870 HDP (XC) MultiBale

HighSpeed

- New 80x70 cm (2'7.5" x 2'4") chamber size for greater flexibility
- Up to 25 % denser bales with HDP technology
- MultiBale: up to 9 small packs in one big bale



The 3-in-1 machine

The BiG Pack 870 HDP (XC) MultiBale HighSpeed enables you to respond with maximum flexibility to your customers' wants and needs. Because this baler not only produces standard bales but transport-friendly heavier HDP bales and practical MultiBales as well. The MultiBale is the new HD bale that enables you to achieve much higher throughputs with a comparable end product.

The right size for field and yard every time

An unbeatable feature of the BiG Pack 870 HDP (XC) MultiBale HighSpeed is the great flexibility it offers. Because this baler comes with KRONE's unique patented MultiBale system. Up to 9 small individual bales can be tied together in one big bale. This makes them much easier to handle in the field, with up to 20 times fewer bales to collect and load compared with HD bales.



From big to small

The advantages are obvious: there are only a few big bales to collect in the field, and their size makes them very easy to stack, transport and store. Back in the yard, the small packs are easy to separate by hand simply by snipping through three strings.

Tailor-made for container shipping

As an option the width of the baling chamber can be reduced by 3 cm (1.2") for a perfect fit for the most common sea containers, even with bales containing different crops.





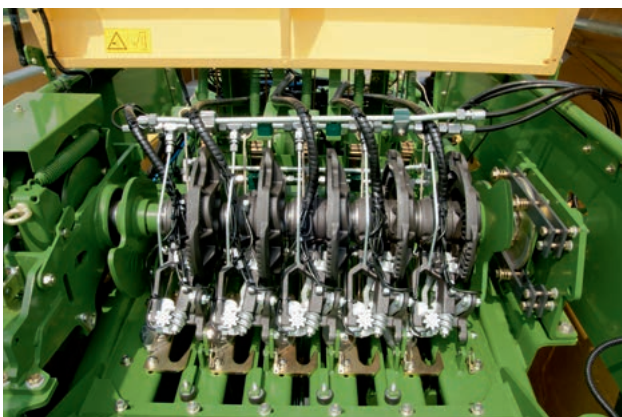
Small chamber size – professional technology

In the BiG Pack 870 HDP MultiBale HighSpeed, KRONE's engineers have managed to pack the technology of the higher end BiG Pack series into a slimline design with a chamber measuring 80 cm (2'7.5") wide x 70 cm (2'4") high, ensuring a long lifespan and optimum reliability.



HDP functionality for high throughputs and efficiency

If very high densities are required, the baling pressure can be increased up to the familiar HDP level via the control box. So the BiG Pack 870 HDP MultiBale can achieve densities of up to 25% more than standard balers. This means fewer bales to collect in the field and lower volumes to transport and store – and you'll be using less twine and wrap as well.



Patented double knotter

Five double knotters tie the bales together securely. The knotters are arranged in KRONE's patented slimline HDP II design. Only double knotting technology allows for a combination of high bale densities and high dependability in operation.



High inertia for high densities

With its sturdy drive train and large 450 kg (992 lbs) flywheel, the BiG Pack 870 HDP (XC) MultiBale can produce the same bale densities as the BiG Pack 1290 HDP – up to 25 % higher than those of conventional large square balers. The large flywheel not only keeps the system running quietly but also cuts fuel consumption.



In the flow

The BiG Pack 870 HDP (XC) MultiBale is fitted with a 1.95 m (6'5") wide Active Pick-up. This camless EasyFlow Pick-up with powered feed roller produces an excellent crop flow even in dry, short material. A 2.35 m (7'8.5") wide Active Pick-up is also available as an option.

BiG Pack

1290 HDP (XC/VC)



- Highest baling density – up to 25 % higher bale weight
- Fewer bales per hectare – fields cleared faster
- Less storage space – lower freight costs



Quick payback

The BiG Pack 1290 HDP (XC) breaks new ground among large square balers. The high density of the bales saves space and the uniform, sharp-edged bales are easy to stack. More weight and less volume – that has a positive impact on handling, transport and storage costs.



Rock-solid bales

HDP stands for High Density Press and is Krone's magic formula for baling big, high-density bales. With its extended 120x90 cm (3'11"x2'11")

baling chamber the

KRONE BiG Pack 1290 HDP takes baling density to

a whole new level. Compared with conventional square balers, the BiG Pack HDP delivers up to 25% heavier bale weights – increasing the profit potential of professional straw sales.



Clever twist

The combination of the huge bevel gearbox and the flywheel tipping the scales at more than 600 kg (1,322 lbs) can cope with more than 940 kW/1280 hp and efficiently absorbs peak loads on the plunger during baling.



Extended bale chamber

500 kg (1,102 lbs) bales of 2.35 m (7'8.5") in length – a result the BiG Pack 1290 HDP has achieved many times over in straw. The strengthened, funnel-shaped bale chamber, which has been extended by 80 cm (2'7.5"), produces up to 25% denser bales.



The pressure's on

To cope with the high baling pressure, KRONE has kitted out its balers with around 2.5 tonnes more steel. The large, reinforced yoke is designed to cope with exceptionally high loads. Six hydraulic rams generate the force on the side walls, delivering rock-solid big bales.



BiG Pack HDP II

High-density large square baler

- Up to 70 % more throughput than the BiG Pack 1290 HDP
- Up to 10 % higher density than the BiG Pack HDP
- Eight patented double knotters for exceptionally high density bales
- Twine boxes lowered hydraulically for easy maintenance and refilling



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. 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 large square baler, reinforcing its position as market leader in high-density baling. The name 'BiG Pack HDP II' equates to even higher baling densities at substantially higher ground



38 speeds.

Taking baling to a new dimension

Up to 70% higher throughput or up to 10% higher bale density than the BiG Pack HDP – these were the ambitious targets the KRONE engineers set themselves in designing the new BiG Pack HDP II. Plenty of attractive features increase the efficiency of this baler and make it more user-friendly to operate.



Direct drive

All the drive power on a KRONE large square 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.





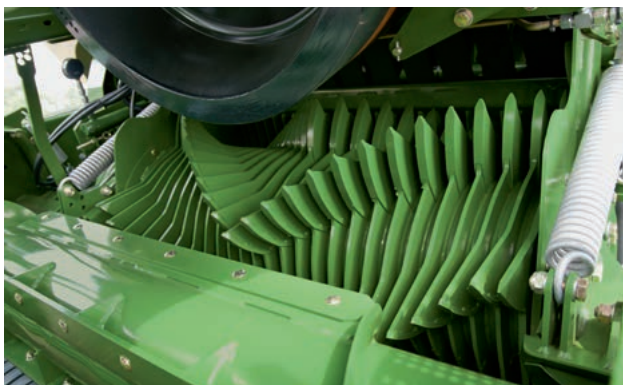
Separate driveline

The pick-up and the rotor cutter on a BiG Pack 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 are only enabled after the plunger starts.



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.



Big rotor for even higher throughput

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.



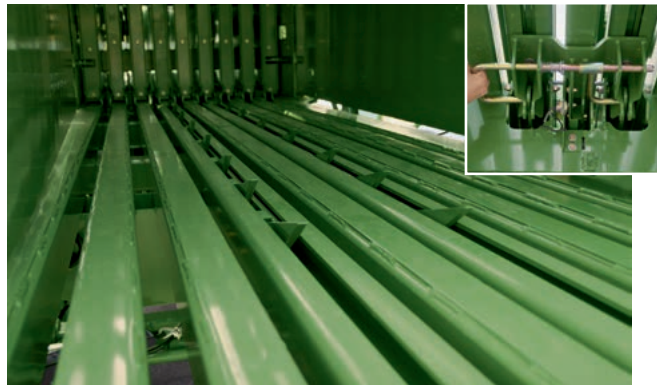
Eight double knotters

Extremely high-density, stable bales produced at very high ground speeds - that's a challenge for any twine and knotter, especially when the crop is prone to expanding. So KRONE has got together with Rasspe to develop a brand new, patented knotter system especially 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.



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.



PreChop

The integrated pre-chopper for straw

- Short chop lengths – down to 21 mm (0.8") nominal length
- Adjustable LOC, two counterblades
- Defibration effect for added liquid absorption
- Mechanical gearbox and hydraulic height control



Great features for even better productivity

Finely chopped, low-dust material for use in a wide range of applications, including as bedding in poultry houses and dairy cow cubicles, in sow and fattening houses, or as ingredients in low crude fibre rations, and even on strawberry fields or as a 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. The KRONE PreChop chopper caters for all these applications.

Integrated pre-chopper

PreChop for KRONE large square balers in the BiG Pack 1270 (XC/VC), 1290 (XC) and 1290 HDP (XC/VC) series – with 96 rotating blades and two rows of 47 counterblades, a nominal LOC of 21 mm (0.8") can be achieved. But PreChop doesn't only chop, it also visibly defibrates the stalks.



190 blades for a top quality chop

The large cutting rotor is 525 mm (1'9") in diameter and features 96 pivoting blades in a helical arrangement. Rotating at 3000 rpm, it feeds the material through two rows of counterblades with 47 rigid blades each and 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 knives 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 knoter cleaning system is key. That's why KRONE equips all PreChop machines with an extra high-performance fan that blows away dirt before it can 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.

Options

The right kit for every job

- 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



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. 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

KRONE large square balers can be equipped with a reverse-drive CCTV system that comprises a camera and a colour screen, which has a second port for a second camera. Alternatively, the camera can be connected to the CCI terminal.



More accessories for more user-friendly operation

The standard spec KRONE BiG Pack 1290 already comes with plenty of convenient features, including electric bale length adjustment, overload protection clutches instead of shear pins, auto lubrication and much more besides. 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.



Turn night into day

The optional three-part LED work light set illuminates both the area behind the baler and the pick-up. Simply connect the lights to the pre-installed harness and switch them from the terminal. Ensuring optimum visibility even late into the night.



Smooth start

All KRONE large square balers feature a hydraulic start assist system. A hydro-motor 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, 4x4 and machines with PreChop).





Options



More twine in stock

In addition to the two standard twine boxes, two optional twine boxes can be mounted at the rear end of the machine to accommodate 12 extra spool of twine or 10 spools plus a toolbox.



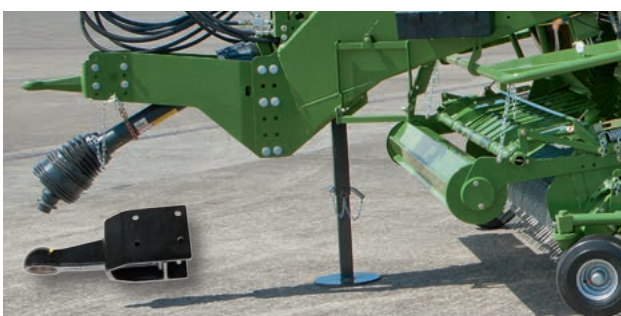
Cutting edge

All BiG Pack machines with XCut and PreChop can be fitted with an extra set of blades.



High-pressure cleaning fan

The standard compressed air knotter cleaning system on all 120 cm (3'11") chamber sizes 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.



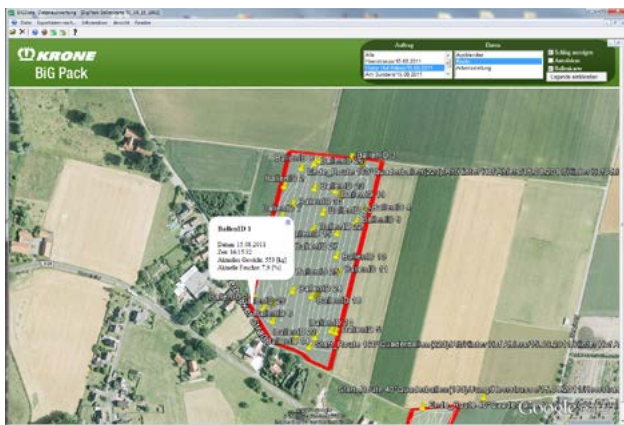
Hitch for quiet running

BiG Packs come with a 40 mm (1.6") hitch as standard, which can be fitted either for top or bottom attachment. An optional K80 ball hitch is also available (standard spec on the BiG Pack HDP II). Farmers in different countries use different attachment systems. For use with the pivoting drawbar, you can also choose between a ball hitch and a ring hitch.



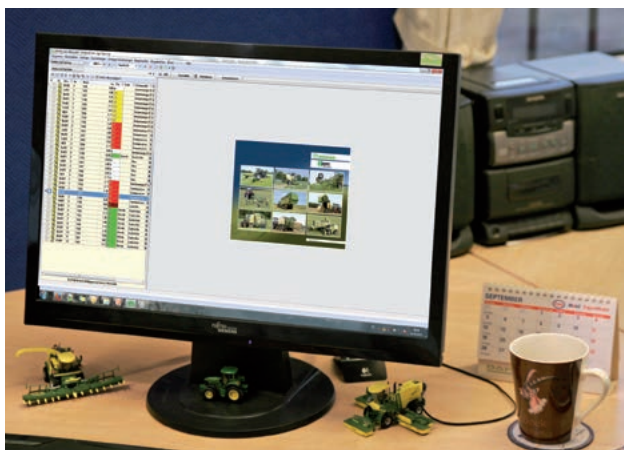
CCI.Control: recording your process data

Data and order management with CCI.Control (Mobile): Record machine, fleet management and navigation data on this app for the CCI 200 terminal and for iPads.



Data management with BiG Data Tools

BiG Data Tools is KRONE's easy-to-use, free analysis software. It displays machine data recorded via CCI.Control (Mobile) in map form (e.g. bale, yield or moisture maps), and the data can be exported for use in farm management programs. BiG Data Tools makes it easier to keep track of your customer and order situation. The integrated planning tool has a simple customer and acreage database and enables you to create orders for your machines.



Well-organized with the ICAN Office Pack

The KRONE ICAN Office Pack is a Farm Management Information System (FMIS) that connects KRONE machines much more effectively with the work that's going on in the office. It records data such as the acreage covered, yields, bales, fuel consumption, material moisture content etc. and allocates the data to the order, enabling electronic orders or invoices to be generated.

Technical data

Standard product range

		BiG Pack HighSpeed 890	BiG Pack HighSpeed 890 XC	BiG Pack HighSpeed 1270	BiG Pack HighSpeed 1270 XC
Chamber width x height	mm	800x900 (2'7.5" x 2'11")	800x900 (2'7.5" x 2'11")	1.200x700 (3'11" x 2'4")	1.200x700 (3'11" x 2'4")
Bale length	mm	1.000 - 2.700 (3'3" - 8'10")	1.000 - 2.700 (3'3" - 8'10")	1.000 - 2.700 (3'3" - 8'10")	1.000 - 2.700 (3'3" - 8'10")
Power requirement	from kW/hp	80/109	95/129	85/116	100/136
Pick-up work width DIN	mm	1.950/2.350 (6'5"/7'8.5")	1.950/2.350 (6'5"/7'8.5")	2.350 (7'8.5")	2.350 (7'8.5")
Length in transport position	mm	7.950 (26'1")	7.950 (26'1")	7.950 (26'1")	7.950 (26'1")
Length in working position	approx. mm	9.180 (30'1")	9.180 (30'1")	9.180 (30'1")	9.180 (30'1")
Height	mm	3.140 (10'4")	3.140 (10'4")	2.940 (9'8")	2.940 (9'8")
Width*	mm	2.550/2.995 (8'4"/9'10")	2.550/2.995 (8'4"/9'10")	2.995 (9'10")	2.995 (9'10")
Weight**	from approx. kg	7.800 (17,196)	8.800 (19,401)	8.400 (18,519)	9.400 (20,723)
Tyres, single axle up to 40 km/h		710/45-22.5 162 A8	–	–	–
Tyres, single axle up to 60 km/h		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***		Dual-circuit compressed air	Dual-circuit compressed air	Dual-circuit compressed air	Dual-circuit compressed air
Twine storage capacity	spool of twine	32	32	32	32
Single knotter		–	–	Standard	Standard
Double knotter		4 Standard	4 Standard	6 Option	6 Option
Blades max.		–	16	–	26
Min. cutting length	mm	–	44 (1.7")	–	44 (1.7")
No. of strokes	per minute	49	49	45	45

All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding.

* For wide pick-up and depending on tyres

** Varies according to machine specification

*** Hydraulic brake available in some countries

BiG Pack HighSpeed 1270 VC	BiG Pack HighSpeed 1290	BiG Pack HighSpeed 1290 XC	BiG Pack 4 x 4	BiG Pack 4 x 4 XC
1.200x700 (3'11" x 2'4")	1.200x900 (3'11" x 2'11")	1.200x900 (3'11" x 2'11")	1.200x1.300 (3'11" x 4'3")	1.200x1.300 (3'11" x 4'3")
1.000 - 2.700 (3'3" - 8'10")	1.000 - 2.700 (3'3" - 8'10")	1.000 - 2.700 (3'3" - 8'10")	1.000 - 3.200 (3'3" - 10'6")	1.000 - 3.200 (3'3" - 10'6")
138/185	90/122	105/143	130/177	145/197
2.350 (7'8.5")	2.350 (7'8.5")	2.350 (7'8.5")	2.350 (7'8.5")	2.350 (7'8.5")
7.950 (26'1")	7.950 (26'1")	7.950 (26'1")	9.150 (30')	9.150 (30')
9.180 (30'1")	9.180 (30'1")	9.180 (30'1")	10.850 (35'7")	10.850 (35'7")
2.940 (9'8")	3.140 (10'4")	3.140 (10'4")	3.560 (11'8")	3.560 (11'8")
2.995 (9'10")	2.995 (9'10")	2.995 (9'10")	2.995 (9'10")	2.995 (9'10")
10.100 (22,267)	8.900 (19,621)	9.900 (21,826)	13.100 (28,881)	13.800 (30,424)
-	-	-	-	-
-	500/50-17 14 PR	500/50-17 14 PR	550/45 22.5 20 PR	550/45 22.5 20 PR
-	550/45-22.5 16 PR	550/45-22.5 16 PR	560/45 R 22.5 146 D	560/45 R 22.5 146 D
560/45 R 22.5 146 D	560/45 R 22.5 146 D	560/45 R 22.5 146 D	620/50 R 22.5 154 D	620/50 R 22.5 154 D
620/40 R 22.5 148 D	620/40 R 22.5 148 D	620/40 R 22.5 148 D	620/55 R 26.5 166 D	620/55 R 26.5 166 D
620/50 R 22.5 154 D	-	620/50 R 22.5 154 D	710/50 R 26.5 170 D	710/50 R 26.5 170 D
Dual-circuit compressed air	Dual-circuit compressed air	Dual-circuit compressed air	Dual-circuit compressed air	Dual-circuit compressed air
32	32	32	32	32
-	-	-	-	-
6 Option	6 Standard	6 Standard	6 Standard	6 Standard
51	-	26	-	26
22 (0.87")	-	44 (1.7")	-	44 (1.7")
45	45	45	45	45

KRONE is serious about after-sales service

Every operator has seen his harvest chain grind to a halt at least once due to a downed machine – clearly an experience we can all do without. KRONE is aware of that and has a dense network of professional dealerships with well-stocked regional parts warehouses that can get you up and running again in no time.

It's worth investing in the quality of your harvest chain by buying original spare parts

We've all been there: the low-cost spares from the dealer around the corner looked high-quality enough – but they just didn't work. Reports in professional journals have proven that quality parts tested by the manufacturer last longer and are more reliable. So why compromise? Place your trust in original KRONE parts.



Technical data

HDP product range

		BiG Pack HighSpeed 870 HDP	BiG Pack HighSpeed 870 HDP XC	BiG Pack HighSpeed 1290 HDP
Chamber width x height	mm	800x700 (2'7.5" x 2'4")	800x700 (2'7.5" x 2'4")	1.200x900 (3'11" x 2'11")
Bale length	mm	1.000 - 2.700 (3'3" - 8'10")	1.000 - 2.700 (3'3" - 8'10")	1.000 - 3.200 (3'3" - 10'6")
Power requirement	from kW/hp	105/143	120/163	130/177
Pick-up work width DIN	mm	1.950/2.350 (6'5"/7'8.5")	1.950/2.350 (6'5"/7'8.5")	2.350 (7'8.5")
Length in transport position	mm	7.950 (26'1")	7.950 (26'1")	8.750 (28'8.5")
Length in working position	approx. mm	9.710 (31'10")	9.190 (30'2")	9.940 (32'7")
Height	mm	2.960 (9'8.5")	2.960 (9'8.5")	3.140 (10'4")
Width*	mm	2.550 (8'4")	2.550 (8'4")	2.995 (9'10")
Weight**	approx. kg	9.000 (19,842 lbs)	9.400 (20,723 lbs)	12.000 (26,455 lbs)
Tyres, single axle up to 40 km/h		–	–	–
Tyres, tandem axle 50-60 km/h		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
Brakes***		Dual-circuit compressed air	Dual-circuit compressed air	Dual-circuit compressed air
Twine storage capacity	spool of twine	32	32	32
Single knotter		–	–	–
Double knotter		5 Standard	5 Standard	6 Standard
Blades max.		–	16	–
Min. cutting length	mm	–	44 (1.7")	–
No. of strokes	per minute	49	49	45

All specifications, weights and dimensions do not necessarily comply with standard specifications and are therefore not binding.

* For wide pick-up and depending on tyres

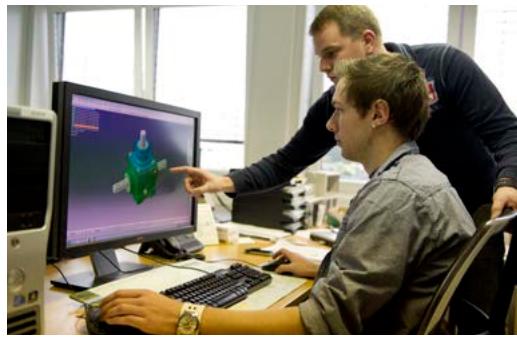
** Varies according to machine specification

*** Hydraulic brake available in some countries

BiG Pack HighSpeed 1290 HDP XC	BiG Pack HighSpeed 1290 HDP VC	BiG Pack 1290 HDP II	BiG Pack 1290 HDP II XC
1.200x900 (3'11" x2'11")	1.200x900 (3'11" x2'11")	1.200x900 (3'11" x2'11")	1.200x900 (3'11" x2'11")
1.000 - 3.200 (3'3" - 10'6")	1.000 - 3.200 (3'3" - 10'6")	1.000 - 3.200 (3'3" - 10'6")	1.000 - 3.200 (3'3" - 10'6")
145/197	182/243	170/231	190/258
2.350 (7'8.5")	2.350 (7'8.5")	2.350 (7'8.5")	2.350 (7'8.5")
8.750 (28'8.5")	8.750 (28'8.5")	9.130 (29'11")	9.130 (29'11")
9.940 (32'7")	9.940 (32'7")	10.800 (35'5")	10.800 (35'5")
3.140 (10'4")	3.140 (10'4")	3.710 (12'2")	3.810 (12'6")
2.995 (9'10")	2.995 (9'10")	Depending on tyres	Depending on tyres
12.600 (27,778 lbs)	13.000 (28,660 lbs)	14.200 (31,306 lbs)	15.400 (33,951 lbs)
-	-	-	-
500/50-17 14 PR 550/45-22.5 16 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 22.5 620/50 R 22.5 620/55 R 26.5 710/50 R 26.5	560/45 R 22.5 620/50 R 22.5 620/55 R 26.5 710/50 R 26.5
Dual-circuit compressed air	Dual-circuit compressed air	Compressed air	Compressed air
32	32	54	54
-	-	-	-
6 Standard	6 Standard	8 Standard	8 Standard
26	51	-	26
44 (1.7")	22 (0.87")	-	44 (1.7")
45	45	45	45

Maschinenfabrik Bernard Krone

Perfect in every detail



Innovative, proficient and close to our customers – these are the keywords that mark the philosophy of our family-owned company. As a forage specialist, KRONE manufactures disc mowers, tedders, rakes, forage wagons, round and square balers as well as the high-capacity and self-propelled BiG M mower conditioners and our BiG X forage harvesters. Quality made in Spelle – since 1906.

Your KRONE dealer



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