



Large Square Balers  
**SB SERIES**





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## **SB** SERIES

Large Square Balers

# BOOST YOUR PROFITABILITY

WITH TODAY'S NARROW HARVESTING WINDOWS, YOU NEED A LARGE SQUARE BALER THAT BRINGS INCREASED PRODUCTIVITY, WITHOUT COMPROMISING ON DENSITY AND BALE SHAPE. DESIGNED TO SET NEW STANDARDS IN CAPACITY, BALE SHAPE, UPTIME AND RUNNING COSTS, THE KUHN SB SERIES IS HERE TO DELIVER.



### UNMATCHED CAPACITY

With a whopping 20% higher capacity<sup>1</sup>, the SB exceeds expectations in all crop types while producing consistently rock-hard and well-shaped bales.

### MAXIMUM UPTIME

In our pursuit to maximise uptime, SB balers feature extended life components, such as a maintenance-free feeder fork, heavy-duty plunger bearings and seals withstanding even higher temperatures. Efficient technology with fewer moving parts is less likely to let you down when you are running your machine in tougher conditions. It also means fewer wearing parts to replace.

### THE BALER SPECIALIST

With over 35 years of experience producing baling equipment and by working closely with customers all over the world, we carefully refined the concept without changing what made it great. The result is a series of high performance large square balers that take efficiency to the next level and boost your profitability.

<sup>1</sup>) Profi Magazine 12-2021

**SB** SERIES

## CHOOSE YOUR BALER

A large square baler is not just a machine, it is a part of the logistic solution for your business. Finding the right machine for your enterprise is therefore key to your profitability. Finding the right mix between bale size and required density determines your choice. Our field specialists are there to find the best solution together with you.



## High-density baling at its finest

KUHN SB series large square balers take high-density baling to the next level. The machines are developed with the main focus on perfect bale shape and bale densities that match your requirements, combined with the well-proven KUHN INTEGRAL ROTOR intake technology. The range delivers a solution for 3 different bale sizes, with in total 4 double knotter models.



### SB 890

Thanks to its design, the SB 890 performs at a high level in various crop conditions. The double knotting system guarantees perfectly bound bales in all circumstances.

### SB 1270 X

The SB 1270 X high-density baler provides you with the highest bale densities in the 120 x 70 segment. Thanks to its rigid design the machine is able to resist the most challenging conditions.

### SB 1290

Similar to the other machines in the range, the SB 1290 is a multifunctional machine for all crop conditions. This professional machine is designed and built to last.

### SB 1290 iD

The SB 1290 iD produces bales with an extremely high density in all circumstances. The unique TWINPACT double plunger design ensures up to 25% increased density in dry crops, while avoiding high peak loads on the machine.



### SB 890

Bale Size: 80 x 90 cm (3 x 3)



### SB 1270 X

Bale Size: 120 x 70 cm (2 x 4)



### SB 1290 - SB 1290 iD

Bale Size: 120 x 90 cm (3 x 4)

**SB** 890 | 1270 X | 1290 | 1290 iD

## HIGH INTAKE CAPACITY

The SB series balers feature a high performance crop intake system. The unique crop guard design, in combination with a high torque on the INTEGRAL ROTOR and on the feeder fork driveline, ensures a high intake capacity while offering extreme endurance.

The SB series large square balers make use of a 2.30 m wide cam tracked pick-up with no less than 5 tine bars, in order to allow the pick-up to run at a lower speed. Consequently, an excellent raking job and the highest versatility in various crop conditions is guaranteed.



EXCLUSIVE

### Clean raking job

The pick-up features a cam tracked design, which delivers the optimal movement for the tines to pick up the crop and reduce crude ash to a minimum. It starts at the ideal angle to lift the crop, conveying the material gently towards the intake rotor. For example in alfalfa where it is all about leaf retention, a perfect raking job will ensure you get the highest profitability from your crops. Ultimately the tines retract at the optimal angle, avoiding material getting drawn in and compromising the crop flow.



EXCLUSIVE

### POWER FEED ROLLER

Whether you are baling dry straw, hay or wet silage, the POWER FEED ROLLER allows you to take capacity to the next level. This driven crop roller actively follows the height of the swath. As a result, the crop is slightly compressed and evenly distributed when entering the intake rotor. Peak loads as a result of irregularities in the swath are avoided, ensuring a reduced power requirement and a smooth running machine. Moreover, overall wear on the machine is reduced as less strain is applied to the intake.



**Pick-up guide wheels**

To adapt the machine to your fields, you have the choice between fixed and pivoting pick-up guide wheels. The pivoting pick-up wheels are semi-pneumatic and therefore ideal for rough terrain and stony soils.

Integral Rotor Type		SB 890	SB 1270 X	SB 1290	SB 1290 iD
Non-cutting versions	OPTIFEED rotor Ø 48 cm Hardox® rotor tines	X	X	X	X
	Biomass OPTIFEED rotor Ø 60 cm Exchangeable Hardox® rotor tines		X	X	X
Cutting versions	OMNICUT rotor Ø 48 cm 45 mm cutting length Hardox® rotor tines 15-Knives cassette system	X			
	OMNICUT rotor Ø 60 cm 45 mm cutting length Exchangeable Hardox® rotor tines 23-Knives cassette system		X	X	X

**SB 890 | 1270 X | 1290 | 1290 iD**

## INTAKE PERFORMANCE

To better meet your operation's specific needs, there are four intake options available for the SB series models. Select from one of our proven INTEGRAL ROTORS; The OPTIFEED or Biomass OPTIFEED non-cutting rotors, the 15-knife or the 23-knife OMNICUT cutting rotors. See the table on page 07 for availability per model.

The KUHN OMNICUT (OC) cutting systems are designed for unlimited intake capacity. Both feature a knife activation and knife cleaning function controlled from the ISOBUS terminal.



## NON-CUTTING VERSIONS



### OPTIFEED rotor

The OPTIFEED rotor design, where rotor tines - made out of Hardox® wear plate - and auger function are combined on one shaft, helps even out the swath by spreading the crop evenly for consistent bales every time. When crop cutting is not required, the OPTIFEED system ensures a controlled and consistent crop flow to the pre-chamber. With the rotor, an additional level of protection is given to the machine.



### Biomass OPTIFEED rotor

The Biomass OPTIFEED rotor design combines all the benefits of the standard OPTIFEED rotor with boltable rotor tines made out of Hardox® wear plate for excellent durability and easy exchange. These rotor tines are specially designed for aggressive energy crops such as sugar cane leaves.

## CUTTING VERSIONS



PATENTED

### OMNICUT 15 knives (OC 15)

The OC 15 offers a cutting length of 45 mm on the 80 cm wide bale channel models. The KUHN patented\* rotor tine shape ensures a low power requirement and a perfect cutting quality. The knives, individually protected against overload by a spring, can be changed easily with the standard integrated cassette system.



PATENTED

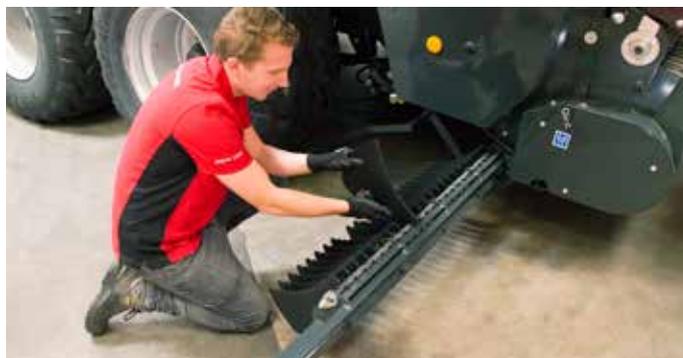
### OMNICUT 23 knives (OC 23)

The OC 23 offers a cutting length of 45 mm on the 120 cm wide bale channel models. With a rotor diameter of 60 cm, the OMNICUT rotor will process every swath that is placed in front of the baler. The KUHN patented\* rotor tine shape ensures a low power requirement and a perfect cutting quality. The knives on the OC 23 have individual hydraulic protection.



### Knife selection

The operation of the knife group configuration is easily done from the tractor cab via the terminal. The operator can choose from the following knife group configurations: 0 – 11 – 12 – 23.



### Easy knife exchange

The boltable rotor tines made out of Hardox® wear plate guarantee easy exchange. Together with the standard one-sided sliding cassette system for easy knife changing, you invest in cutting quality and in driver comfort.

\*Patent or patent pending in one or more countries.

## THE IMPORTANCE OF BALE SHAPE



Consistently shaped bales bring more than just aesthetic appeal. A dense, consistently filled bale represents quality in every form. Square bales are convenient to handle and stack. In addition, they are much more stable during transport than a poorly formed bale. A perfect square-edged bale reduces the risk of air entrapment during wrapping. This stimulates conservation of the bale and ensures a better feed quality.

In the process of producing the ultimate square bale, the pre-chamber fulfills an essential role. Once the crop flow is distributed by the intake rotor into the pre-chamber, a flake of homogeneous crop material is produced accordingly. It is critical to get it right, as it will have a significant effect on the ultimate bale shape. Despite the crop type, humidity, swath size or consistency of the swath you are baling, the POWER DENSITY system ensures the pre-chamber is evenly filled. As a result, optimal precompression is paving the way for rock-solid square bales.



### **Constant bale length**

The bale length is measured with a star wheel in the middle of the bale chamber. The operator monitors the flake size and number of flakes through the terminal.



### **Precompression level adjustment**

The SB 1290 iD features 5 positions to adjust the level of precompression to match the current baling conditions, so that you can be sure of the best results.

## **A PRE-CHAMBER THAT NEVER MISSES A BEAT**

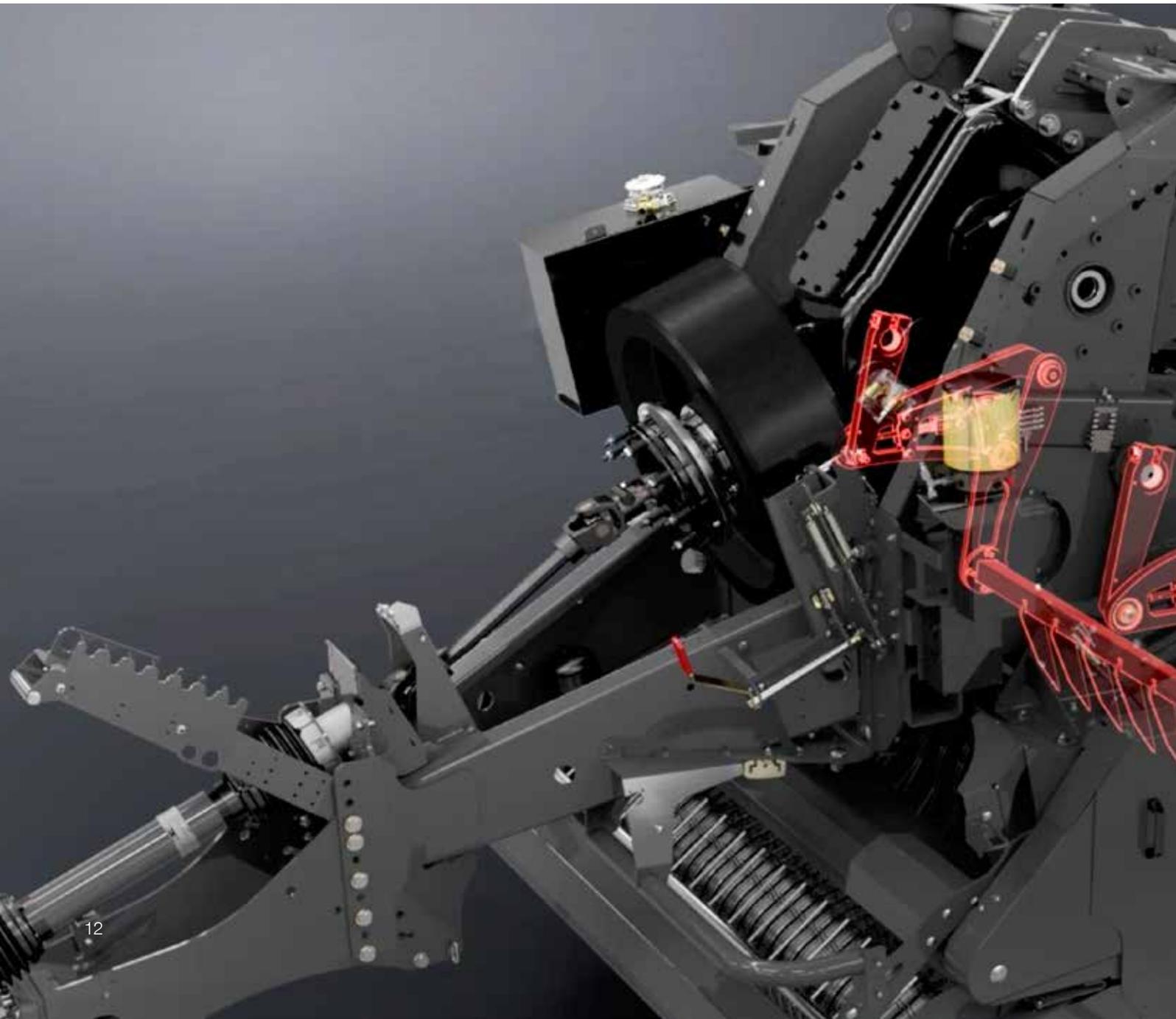
When making decisions on product design, a crucial guiding principle for our engineering team is to strive for simplicity. With the exclusive POWER DENSITY system we delivered another innovative solution where higher efficiency and more simplicity go hand in hand. During tight harvest windows and in the toughest conditions, this clever design with fewer moving parts and better accessibility gives the operator piece of mind that his chances of a time consuming repair or breakdown are minimised.

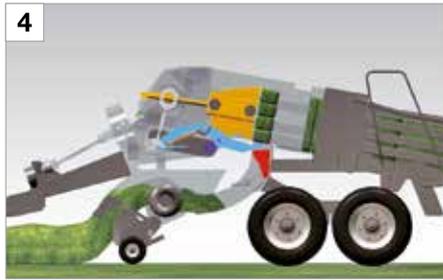
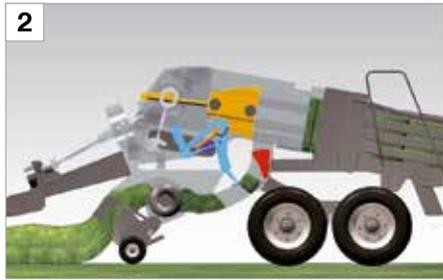
### **What makes the POWER DENSITY feeder fork design unique?**

The key is one mechanism that combines two jobs into one. The feeder fork operates in a triangled shape. It gently and evenly distributes the material into the pre-chamber by making small strokes, until the desired precompression is measured by the density plates. Once the density plates trips the mechanism, the feeder fork is able to fully extend and distribute the flake into the bale chamber. The system is maintenance-free and connected to the automatic greasing system. All bearings are lifetime greased.

### **Measurement plates for optimal precompression**

The measurement plates are positioned on the top of the pre-chamber to prevent activation of a feeding stroke at a premature stage when baling high friction crops. For optimal convenience, the operator is likely to select the auto mode that activates the measurement plates, to reach optimal precompression. However, it is possible to fix the pre-chamber in a 1:1 mode, where the feeder fork directly distributes the material into the bale chamber.





### How does it work?

1. The INTEGRAL ROTOR actively delivers the crop to the chamber.
2. The feeder fork (blue) provides an active filling of the pre-chamber.
3. The single-acting feeder fork continues to form the bale flake until the measuring plate (red) is pushed back with a predetermined force.
4. Once the measuring plate is pushed back, it activates the second function of the feeder fork system. The fork makes a different movement that empties the pre-chamber and pushes the perfectly formed flake into the bale chamber.



**SB 890 | 1270 X | 1290**

## **BALE CHAMBER**

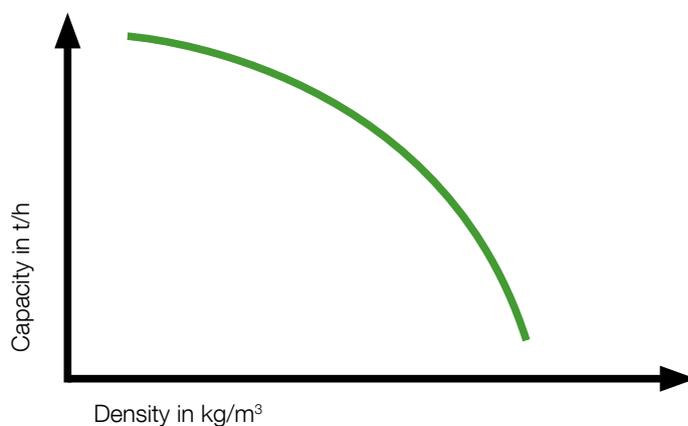
The specifically designed bale chamber of the KUHN machines is the result of more than 35 years' experience in large square baling. With the 3.4 metre long bale chamber, there is plenty of space to form a perfect bale. The combination of aggressive retainers and a specific pressure door shape enables an aggressive compaction and gentle expansion of the bale.





### Plunger

46 plunger strokes per minute result in a high compaction capacity. The plunger is guided via 4 large rollers with a diameter of 125 mm for maximum service life.



PATENTED

### A perfect balance between capacity and density

The KUHN patented\* torque regulation system on all SB 120 cm bale channel models ensures a perfect balance between capacity and density. The system consists of plunger rod load pins that measure the plunger force and an angle sensor that measures the crank angle. Throughout the complete plunger cycle the exact torque is calculated so you can operate the machine at peak performance and achieve the highest bale density. This results in a higher transport and handling efficiency.



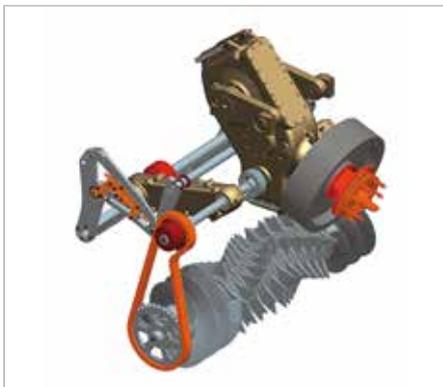
### Easy access to the pre-chamber

A unique feature is the inspection hatch in the bottom of the pre-chamber. For easy access to the pre-chamber the complete cover can be opened without using special tools.

\*Patent or patent pending in one or more countries.

## ROBUST DRIVELINE AND MAXIMUM SECURITY

Perform at maximum capacity with a highly secure intake system. Synchronised drive of components is made by gearboxes and shafts. This ensures a perfectly synchronised machine with easy maintenance.



### Heavy-duty driveline

The heavy-duty driveline features self-resetting cam-clutches. The benefit of these clutches is that they offer the possibility to use the machine at maximum capacity without worrying about time consuming shear bolt replacements. The driveline layout is simple, clean, and easy to service and maintain while minimizing the overall number of moving parts.



EXCLUSIVE

### Instant protection

To use the machine at maximum capacity, a flawless protection system is required. All main intake components of the KUHN large square balers are fitted with a cam-type clutch. With this non-stop safety system you can unblock the machine from the operator seat, in the event of an overload. The pick-up, INTEGRAL ROTOR, main drive and feeder fork are protected with cam-type torque limiters, which are automatically activated in the event of an overload. The respective cam clutch then activates and the intake is stopped. The clutch re-engages when the operator reduces the PTO speed.

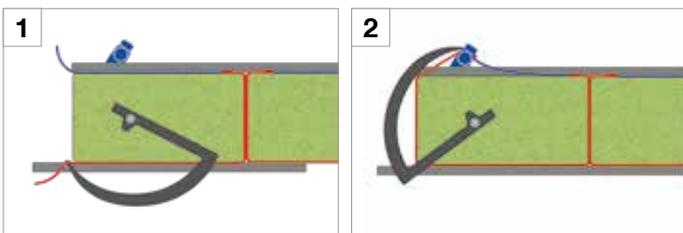


### Optimal driver comfort

For maximum driver convenience SB balers are equipped as standard with the heaviest flywheel in the standard segment. This 485 kg heavy-duty flywheel guarantees a unique smooth running machine, which offers the operator maximum driving comfort during the daily operation.

## RELIABLE AND SECURE KNOTTING

One of the last steps in creating a perfect bale is the knot. KUHN SB large square balers are equipped with a reliable and secure double knotting system that meets your requirements.



### Double knotting system

The SB series models are equipped with a double knotting system. While baling, an upper (blue) and lower (red) twine is fed to the bale. As the twine is not slipping around the bale there is no tension on the twine during the bale formation.

**Step 1:** As the bale reaches the desired length, the needles (grey) are activated and move upwards to the knotter to start the knotting cycle. In this first step the bale is finished with the first knot.

**Step 2:** Once the first knot has finished the bale, the second knot connects the upper and lower twine again so the next bale can be formed without stress on the twine during knotting.

The knotting process is monitored directly from the terminal, providing the driver with accurate information on twine tension during the baling cycle. An alarm goes off if an issue arises, allowing the driver to take action and prevent downtime accordingly.



### Knotters cleaning

Two massive hydraulically driven turbo fans are equipped as standard and deliver optimal knotter cleaning performance in the most challenging and dustiest conditions. With air speeds exceeding 200 km/h, these fans keep your knotters clean even during the longest baling days.

# BENEFIT FROM MORE EQUIPMENT

There are multiple optional accessories available that allow you to customise your baler. Benefit from a bale weighing system and moisture sensor and receive accurate real-time information on the job. Improve the performance of your baler in high-friction crops with the easy flow kit or turn night into day by equipping your machine with optional work lights.



## Bale weighing system

The KUHN integrated bale weighing system is available for both 80 cm wide balers and 120 cm wide balers. Use of the KUHN integrated bale weighing system provides on-the-go feedback about the bale weight, plus direct insight in your crop yield. With this information, you have the possibility to organise your transport chain as efficiently as possible. This will boost the productivity and profitability of your baling operation. You have several options to display the bale weight in the cab, and integrate it into the standard field counter. This enables you to save all relevant information about your customer and field data on your terminal.



## Moisture measurement

To give you the best possible information about your crop and your machine, all large square balers can be equipped with a calibratable moisture sensor with a measuring range between 9 - 40% moisture content. Moisture information shows up in real time on the tractor monitor.



### **Easy flow kit**

To further improve the machine performance in silage conditions with wet or sticky material, an easy flow kit can be fitted in the pre-chamber. The Teflon plates reduce friction for better crop flow.



### **LED work & service lights**

The balers are equipped as standard with 5 LED service lights to inspect your machine. As an option, there is a choice of 3 additional LED work lights to have a clear view all night long.



### **Full visibility**

All balers can be equipped with a KUHN camera system to provide optimal visibility and safety around the machine. There are 2 kits available, one kit is compatible with the CCI terminal, the other one consists of a separate monitor and a camera.

# KUHN ISOBUS SOLUTIONS: TAKE ADVANTAGE OF ISOBUS COMPATIBILITY ON THE SB LARGE SQUARE BALERS RANGE!



CCI 800 AND CCI 1200: A SINGLE TERMINAL FOR ALL KUHN MACHINES. CCI 800 and 1200 ISOBUS terminals are AEF-certified. They focus on three priorities: performance, visibility and flexibility. Control intuitively your machines with their large size anti-glare touchscreen. Capable of displaying simultaneously different essential information, accepting the connection of a joystick control and a camera, these terminals offer a high level of flexibility.



**CCI 800: The compact ISOBUS terminal**  
The 8"/20.3 cm screen displays the main machine and miniviews on the side. Click on one of the mini-views to switch it to the main screen.



**CCI 1200: innovative, large-size, high-performance**  
With the 12.1"/30.5 cm screen, all essential information is displayed. Several display layouts are available: miniview / maxiview / double UT.

## A MULTITUDE OF APPLICATIONS AS STANDARD



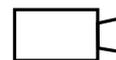
**TECU**  
Retrieve the tractor's basic information



**CONTROL**  
Control your tasks and ISO-XML documentation



**CONVERT**  
Connect to your biomass sensor



**CAMERA**  
Connect a camera and display live pictures



**HELP SYSTEM**  
The help you need

## DISCOVER THE CCI APPLICATIONS



**DATA TRANSFER**  
Data import/export via Agrirouter

### REMOTE VIEW

Via your MyKUHN account, you can display the CCI terminal's screen on your computer, smartphone or tablet. Ideal to view work in progress, assist or train an operator remotely, without having to move.



# CUSTOMERS SPEAK OUT...

THESE LARGE SQUARE BALERS HAVE BEEN USED IN DIFFERENT COUNTRIES AND PROVEN THEIR EFFECTIVENESS IN VARIOUS SITUATIONS.



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## Alex Peacock

CONTRACTOR,  
ROCHESTER, VICTORIA, AUSTRALIA,  
SB 1290 iD

*"We've been running KUHN balers for some years now. Our first KUHN baler was a simple yet robust machine. Our second was one of the first LSB 1290 iD's, a vast improvement in capacity and density. Our brand new SB 1290 iD again makes heavier bales, at an even quicker pace. It is reassuring that the people in the KUHN organisation, including parts and technical support, understand our time pressure and working window in which it is essential to keep machines working."*

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## Andrea Marchesini

CONTRACTOR AND ARABLE FARMER,  
SAN GIOVANNI IN PERSICETO, BOLOGNA, ITALY,  
SB 1290 iD

*"I am very satisfied with the new SB 1290 iD. The new pick-up makes it easier to get the crop into the baler, allowing us to work faster. The difference compared to the previous model is evident, both in the perfection of the bale shape and in the working capacity. Today we go much faster and at the end of the day we have achieved more work. We are able to produce perfectly shaped bales, which are square and homogeneous throughout the whole bale. The bale weight has also been improved, offering important advantages in terms of storage and transport."*



SCAN THE CODE  
FOR THE  
WHOLE STORY



**SB 890 | 1270 X | 1290 | 1290 iD**

## SMART DESIGN FOR MORE USER CONVENIENCE

Daily inspection and routine maintenance is essential to maximise the performance of your machine and to decrease downtime, but should also be quick. Therefore, the design offers perfect accessibility to all working components inside of the machine. Moreover, the driver benefits from optimal comfort thanks to the heavy flywheel, last bale ejector, automatic greasing system and the load sensing hydraulics.



### Twine boxes

The twine boxes swing out completely for easy access to the vital parts of the machine. Behind the full-access side doors, 32 x 13 kg spools of twine can be stored. The twine storage itself is enclosed to prevent twine rolls from being contaminated or damaged, which could cause mis-ties. Integrated dust protection is guaranteed through shielding of the twine boxes.



### Storage hoses

For clean and tidy storage, the balers are equipped with a convenient storage place for the hoses and cables needed to operate the machine.



### Everything for your safety

For more safety, the knotters deck is equipped with solid stairs and a safety railing. The safety railing can be folded down easily to reduce the height of the machine during transport.



### Bale ejector

Two options are available to eject the last bale. The last bale ejector is used to clear the complete bale chamber when changing between crops or for end of season cleaning.

The optional two-step bale ejector can eject either the last fully formed bale or it can clear the complete bale chamber. Eject the last fully formed bale at the customers field, but still have a proper bale forming from the start after moving to a new field. Or clear the complete bale chamber when changing between crops or for end of season cleaning.



### XL steered tandem axle

The XL steered tandem axle raises the bar with excellent maneuverability. It is able to accommodate large 680/50R22.5 tyres, in order to reduce soil compaction. The steering axle locks up automatically when reversing or when you pass a pre-selected speed. It remains possible to fixate the rear axle manually.



### Load sensing hydraulic system

All SB models are equipped with a load sensing hydraulic system. This system is used for axle locking, knife steering, roller chute and bale ejector functionalities. The hydraulic system can easily be switched mechanically to an open centre operation if using it in combination with a tractor without a load sensing hydraulic system.

# OVERVIEW



1. Double knotting system with standard electronic monitoring



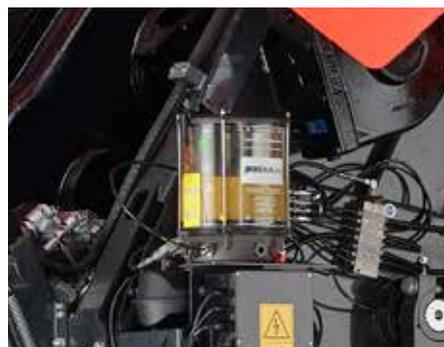
2. Pivoting twine boxes for easy maintenance



3. POWER DENSITY pre-chamber system



4. Automatic pressure regulation



5. Automatic greasing system



6. Knotter cleaning turbines



**9. POWER FEED ROLLER**



**7. Easy accessible twine boxes with 2x16 capacity**



**8. 485 kg flywheel**

## OPTIONS



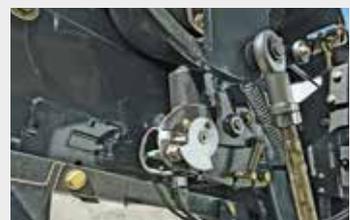
*LED working lights*



*Moisture measurement*



*Weighing system*



*Electric binding system*



*Easy flow plates for pre-chamber*



*Semi-pneumatic pivoting pick-up guide wheels*

# THE FUTURE OF BALING

Discover the intelligent SB 1290 iD baler and bring profitability to your baling operation, in both conventional crop production and the most challenging environments where energy crops and biomass are grown. The patented\* TWINPACT double plunger technique ensures up to 25% higher bale density in tough dry straw conditions compared to conventional balers. The result: less transport and handling movements and efficient stacking of the bales.



## Economical benefits due to intelligent design

The KUHN TWINPACT double plunger system ensures that high peak loads are avoided. Moreover, the bale channel, drive-line and transmission have been upgraded which lends to further cost savings. A 200hp tractor is more than capable of producing 500kg plus bales, providing you significant fuel savings as a result.

EXCLUSIVE

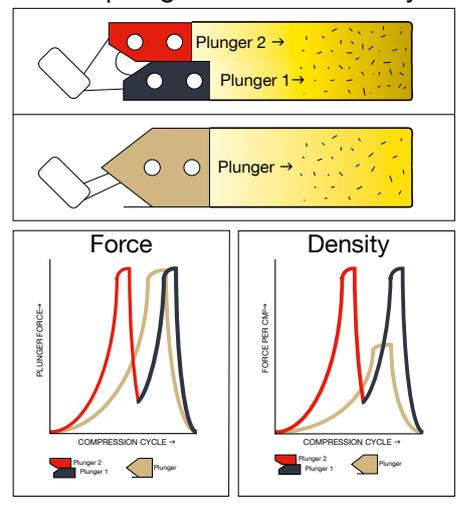
## Ultimate friction for rock-hard bales

For ultimate friction the SB 1290 iD is equipped with a density ring with 9 double acting cylinders. Furthermore, the bale channel of the SB 1290 iD is longer (375 cm) and adapted to accommodate higher strain related to high-density bales. Even in the driest or hottest conditions this baler is able to produce dense bales.





### Half plunger is double density



## TWINPACT DOUBLE PLUNGER SYSTEM

PATENTED

### High-density bales, low power requirement

The patented\* TWINPACT double plunger system is an intelligent way to reach extremely high bale densities and avoid giant peak loads on the machine. The plunger is divided into an upper and lower part, which are connected with a triangle rod. The plunger impact on the bale is divided into two steps, increasing the applied force per surface and thus bale compaction. Despite the heavier bales, the load on the machine is comparable with a conventional 120 x 90 (4 x 3) baler, eliminating the need for an oversized driveline, flywheel and main frame.



### Extreme durability

Rough circumstances and environments demand the most of your baler. The special boltable friction plates made out of Hardox® wear plates in the compression area of the bale chamber are easy to exchange for maximum reliability.

\*Patent or patent pending in one or more countries.

# OVERVIEW



1. TWINPACT plunger



2. Heavy-duty, greased plunger rolls



3. Replaceable, high wear-resistant bale channel parts.



4. Double knotting system with standard electronic monitoring



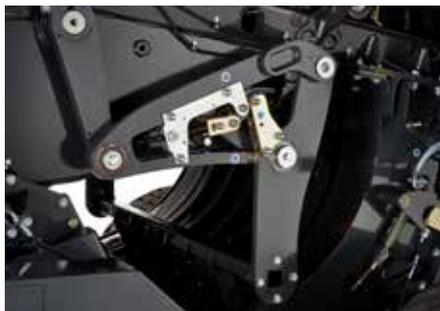
11. POWER FEED ROLLER



10. Pivoting twine boxes



9. 485 kg flywheel



8. POWER DENSITY pre-chamber system



7. 375 cm bale channel length



5. Automatic greasing system



6. Knotter cleaning turbines

## OPTIONS



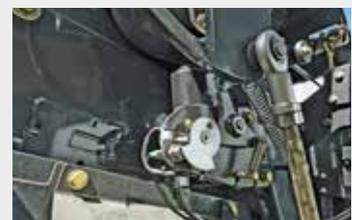
LED working lights



Moisture measurement



Weighing system



Electric binding system



Easy flow plates for pre-chamber



Semi-pneumatic pivoting pick-up guide wheels

**CBB 200**

## PRE-CHOPPING AT ITS FINEST

Providing high quality forage, bedding and feeding is one of the main development goals for KUHN machinery. The CBB 200 pre-chopper has a specific design that matches the capacity and machine characteristics of the SB baler range. With this combination, you will be able to produce an even higher quality baled product.



### Application equipment

To increase the profitability of your baling business, the KUHN large square baler can be combined with equipment to extend your baling season. Solutions offered from within the KUHN group, or from external suppliers.





### Smooth and short

With the industry leading 670 mm rotor, the CBB ensures a smooth running of the machine and a low power requirement. To ensure a perfect cut, and an aggressive damaging of the stem, the machine is equipped with 48 cutting blades and 2 counter knife banks giving a total of 98 counter knives. This results in a theoretical cutting length of 19.5 mm.



### Maximum versatility

The working height of the CBB offers a wide range of adjustment over for maximum adaptation to the given conditions and circumstances. With a ground clearance of 65 cm, the CBB 200 can remain on the machine when pre-chopping is not required. The drawbar is specially designed to match both the CBB 200 and the SB balers, creating harmony between the two machines.



### Track and trace – adding value

KUHN large square balers can be combined with Harvesttec equipment. If you require an preservative applicator, dye spray marker or bale tagging system, please contact your local KUHN dealer or KUHN representative in your country.

**SB** SERIES

## YOUR PRODUCTIVITY IS OUR TOP PRIORITY

Not only is KUHN known for its high-quality products, but also for the service and support KUHN and its dealerships provide worldwide. Our teams are more than ready to help you!





### **Built to last**

KUHN balers are built with the customer in mind. They do not only feature a robust and durable design, our machines are easy to work on in order to cut down repair time. All components are subject to extreme stress testing. Extensive field trials worldwide, combined with customer feedback, give us insights on how to continuously improve our machines' performance and to ensure the highest level of reliability.



### **Authorised dealer network**

When it comes to maintenance and repair, KUHN has carefully selected their dealerships to offer you world class service in the field and at your doorstep. As we understand maximum working time is your top priority, our dealers are fully trained and equipped with special tools to keep your baler going, no matter what. As they have access to KUHN's excellent service organisation, they know how to optimise your baler's performance and help you to profit from your investment.

## **KUHN** protect +

### **P for protect + and peace of mind**

A 36 months' cover with all the safeguards provided by the warranty. With KUHN protect +, you can concentrate exclusively on your job while enjoying maximum performance and profitability from your machine. Please contact your nearest authorised KUHN dealer for more information.



## KUHN PARTS



**Designed and manufactured to rival time.** KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.



## KUHN SERVICES\*

- KUHN sos order** - Express spare parts service 24/7
- KUHN protect+** - The choice of professionals!
- KUHN i tech** - For ever quicker repairs!
- KUHN finance** - Invest rationally!

\*Not all services and equipment are available in every country.

## Technical Specifications

	80 CM CROP FLOW CHANNEL		120 CM CROP FLOW CHANNEL					
	SB 890		SB 1270 X		SB 1290		SB 1290 iD	
	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT
<b>Bale dimensions</b>								
US square bale size	3x3		2x4		3x4		3x4	
Width (cm / inch)	80 / 32"		120 / 47"		120 / 47"		120 / 47"	
Height (cm / inch)	90 / 35"		70 / 28"		90 / 35"		90 / 35"	
Length (cm / inch)	60 / 24" up to 300 / 118"							
<b>Pick-up</b>								
Intake width (cm / inch)	230 / 91"							
Pick-up diameter (cm / inch)	34 / 13"							
Number of tine bars	5							
Tine spacing (mm / inch)	61 / 2.4"							
<b>Intake system</b>								
Knives	-	0 / 15	-	0 / 11 / 12 / 23	-	0 / 11 / 12 / 23	-	0 / 11 / 12 / 23
Theoretical cutting length (mm / inch)	-	45 / 1¾"	-	45 / 1¾"	-	45 / 1¾"	-	45 / 1¾"
Knives protection	-	Individual spring	-	Individual hydraulic	-	Individual hydraulic	-	Individual hydraulic
<b>Bale chamber</b>								
Plunger strokes (per min)	46						2 x 46	
Plunger stroke length (mm / inch)	695 / 27"							
Density control	3 hydraulic cylinders		4 hydraulic cylinders				9 hydraulic cylinders	
Bale chamber length (m / inch)	3.40 / 11'2"						3.75 / 12'3»	
<b>Binding system</b>								
Number of knotters	4		6					
Knotting system	Double knotter		Double knotter		Double knotter		Double knotter	
Knotter cleaning	Blowers		Blowers		Blowers		Blowers	
Twine spool capacity	32		32		32		32	
<b>Operation</b>								
Control system	ISOBUS (CCI 800 / CCI 1200)							
<b>Tyres*</b>								
Single axle	Hydraulic or pneumatic brakes							
600/55-22.5	◆	◆	◆	◆	◆	◆	-	-
700/50-22.5	◇	◇	◇	◇	◇	◇	-	-
Tandem axle	Standard steering and suspension, hydraulic or pneumatic brakes							
500/60-22.5	◆	◆	◆	◆	◆	◆	◆	◆
520/55R22.5	◇	◇	◇	◇	◇	◇	◇	◇
620/50R22.5	◇	◇	◇	◇	◇	◇	◇	◇
680/50R22.5	◇	◇	◇	◇	◇	◇	◇	◇
<b>Machine dimensions and weights</b>								
Length (m / inch)	8.00 / 26'3"		8.00 / 26'3"		8.00 / 26'3"		7.90 / 25'11"	
Width (m / inch) **	2.76 / 9'1"		3.00 / 9'10"		3.00 / 9'10"		3.00 / 9'10"	
Height (m / inch)	3.26 / 10'7"		3.26 / 10'7"		3.26 / 10'7"		3.45 / 11'4"	
Weight min - max (kg / lbs) **	8.300 - 10.400 / 18298 - 22.928	8.300 - 10.400 / 18298 - 22.928	96.50 - 11.750 / 21.275 - 25.904	9.650 - 11.750 / 21.275 - 25.904	9.950 - 12.050 / 21.936 - 26.566	9.950 - 12.050 / 21.936 - 26.566	11.700 - 13.000 / 25.794 - 28.660	11.700 - 13.000 / 25.794 - 28.660
<b>Power requirements</b>								
Minimum PTO power requirement (kW / hp)***	77 / 105	88 / 120	96 / 131	114 / 155	103 / 140	121 / 165	132 / 180	144 / 196

◆ as standard ◇ optional - unavailable

\* Depending on local homologation \*\* Depending on version and additional options

\*\*\*Horsepower requirement may vary with different crops, conditions and options used. Consult operators manual for proper tractor sizing.

# MyKUHNN

THE LINK TO MY SUCCESS

MyKUHNN is your on-line customer space. Sign up now and discover how the exclusive services offered by MyKUHNN will facilitate the management of your fleet of KUHN machines and terminals as well as help you maximize their performance. Once identified, on computer, smartphone or tablet, you will have access to parts catalogs, technical documentation and numerous connected services.



## Check out KUHN's complete full-liner range in bale equipment:



1. Variable Balers - 2. Variable BalePacks - 3. Fixed Balers - 4. Fixed BalePacks - 5. i-BIO+ - 6. Round and Square Bale Wrappers

KUHN NORTH AMERICA, INC. - Corporate Headquarters - 1501 West Seventh Avenue - P.O. Box 167 - Brodhead, WI 53520-0167 USA

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KUHN FARM MACHINERY (U.K.) LTD - Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ

KUHN-GELDROP B.V. - Nuenenseweg 165 - P.O. Box 9 - 5660 AA Geldrop - The Netherlands

For more information about your nearest KUHN dealer, visit our website [www.kuhn.com](http://www.kuhn.com)

Information given in this document is only for information purposes and is non-contractual. Our machines are in compliance with regulations in force in the country of delivery. In our literature, and for improved illustration of certain details, some safety devices may not be in operating position. When operating these machines, these devices **must** be in position in accordance with the requirements indicated in the operator's manuals and pre-delivery instructions. RESPECT THE ROAD REGULATIONS IN FORCE AS WELL AS the tractor gross vehicle weight rating, its lift capacity and maximum load per axle and tyres. The tractor front AXLE load must always comply with the regulations of the country of delivery (In Europe, it must reach minimum 20 % of the tractor net weight). We reserve the right to change any designs, specifications or materials listed without further notice. Machines and equipment in this document can be covered by at least one patent and/or registered design. Trademarks cited in this document may be registered in one or several countries.

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