

Large Square Balers

**SB - LSB  
SERIES**



[www.kuhn.com](http://www.kuhn.com)



be strong, be **KUHN**





SB - LSB

series

# ULTIMATE FIELD PERFORMANCE, MAXIMUM OUTPUT



Our goal is to develop machines that boost the profitability of your company. High output is a key success factor for every large square baler.

KUHN large square balers are designed with simple, yet efficient technologies that provide the capacity your company requires.

## INNOVATION THROUGH INDUSTRY EXPERIENCE

The driving force behind KUHN is to supply the best quality in all aspects of baling. Employees here often come from farming backgrounds, creating a great sense of personal involvement and drawing on a wealth of knowledge and skills.

## THE BALER SPECIALIST

Perfectly shaped, consistently square bales are the end result every customer is looking for. With over 35 years of experience producing baling equipment, our machines produce well-shaped rock-hard bales.

LSB 870 3 x 2



80 x 70 cm

SB 890 3 x 3



80 x 90 cm

LSB 1270 4 x 2



120 x 70 cm

SB 1270 X 4 x 2



120 x 70 cm

SB 1290 4 x 3



120 x 90 cm

SB 1290 iD 4 x 3



120 x 90 cm







**SB - LSB**

series

# DESIGNED BY KUHN, MADE BY KUHN

## INTRODUCING THE SB & LSB SERIES

KUHN 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 4 different bale sizes, with in total 6 machine types. Depending on your needs, you can choose a machine with a double knotting system (SB series) or single knotting system (LSB series).

### SB SERIES: DOUBLE KNOTTER MODELS

- 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.
- 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.
- 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.

- 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.

### LSB SERIES: SINGLE KNOTTER MODELS

- The LSB 870 is a light-weight square baler with a low power requirement. The secure and reliable knotting system on the machine makes it ideally suited for the most common crop conditions.
- With the LSB 1270, you will add a robust machine to your fleet, ideally suited for diverse conditions. The light-weight design and its efficient driveline results in a machine that produces high-quality bales combined with a low power requirement.



**KUHN LARGE  
SQUARE BALERS  
BOOST YOUR DAILY  
PRODUCTIVITY**



**SB-LSB 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.

## **LSB 870**

Bale Size: 80 x 70 cm (2 x 3)



## **SB 890**

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



## **LSB 1270 - SB 1270 X**

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

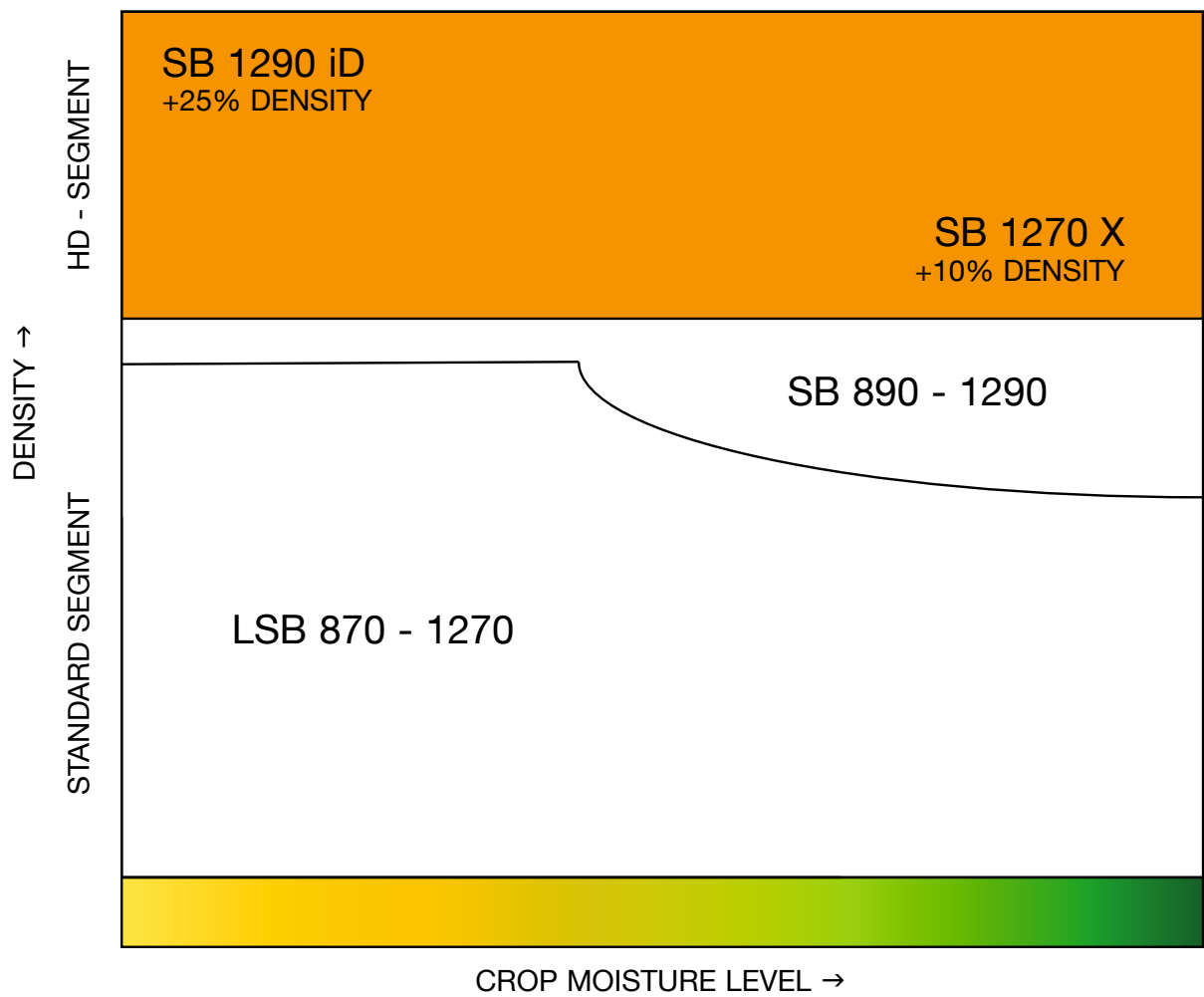


## **SB 1290 - SB 1290 iD**

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









## CROP INTAKE

# CROP FLOW CONTROL

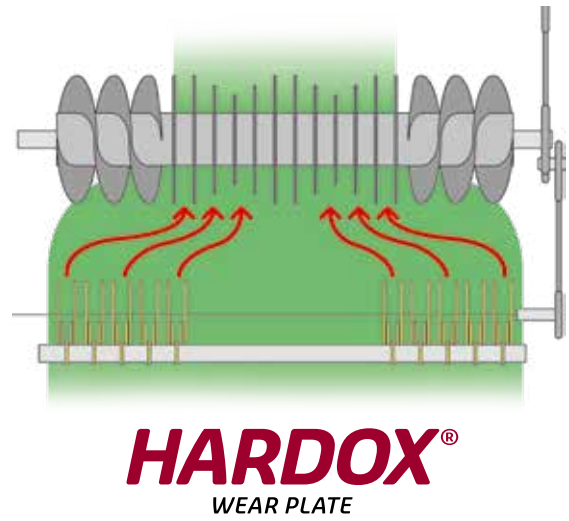
The pick-up of the KUHN large square balers is designed to match the full capacity of the machine. With an intake width of 230 cm, the machine is capable of working in all swaths. The reliable cam-track system will not let you down, even in the harshest conditions. To adapt the machine to your fields, 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 - SB AND LSB SERIES

Available across the entire KUHN square baler range, our INTEGRAL ROTOR technology can be found on OPTIFEED and OMNICAL models. This simple, maintenance-free intake system guarantees an enormous throughput capacity at all times. The short distance between rotor and pick-up tines maintains consistent crop flow. The design of this force-fed intake makes higher forward speeds possible for increased productivity and reduced crop damage. The INTEGRAL ROTOR has rotor tines made out of Hardox® wear plates to offer excellent durability in abrasive crop conditions.



### POWER FEED ROLLER - SB SERIES

Whether you are baling dry straw, hay or wet silage, the POWER FEED ROLLER allows you to take capacity to the next level. Difficult crop conditions or inconsistent swaths could pose a challenge for an intake rotor. With the KUHN POWER FEED ROLLER this belongs to the past. 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. Inconsistencies in the crop flow are smoothed out, delivering a steady crop flow towards the rotor.

Peak loads as a result of irregularities in the swath are avoided. The smooth and steady crop intake ensures a reduced power requirement and a smooth running machine. Moreover, wear on the machine is reduced as less strain is applied on the intake.

Your benefits are:

- Unrivalled overall capacity
- Excellent crop guiding in different crops and swath sizes
- Less power peaks in the intake system
- Smooth running of the machine



POWER FEED ROLLER



Semi-pneumatic pivoting pick-up guide wheels

INTEGRAL ROTOR TYPE		LSB 870	SB 890	LSB 1270	SB 1270 X	SB 1290	SB 1290 iD
NON CUTTING VERSIONS	OPTIFEED rotor Ø 48 cm Hardox® rotor tines	x	x	x	x	x	x
	Biomass OPTIFEED rotor Ø 60 cm Exchangeable Hardox® rotor tines			x	x	x	x
CUTTING VERSIONS	OMNICAL rotor Ø 48 cm 45 mm cutting length Hardox® rotor tines 15 Knife cassette system	x	x				
	OMNICAL rotor Ø 60 cm 45 mm cutting length Exchangeable Hardox® rotor tines 23 Knife cassette system			x	x	x	x



## CROP INTAKE



# INTAKE PERFORMANCE

## 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 bolttable 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

The **KUHN OMNICUT (OC)** cutting systems are designed for unlimited intake capacity. There are two different types of OMNICUT cutting systems (depending on the model - see table on page 9). Both feature a knife activation and knife cleaning function controlled from the ISOBUS terminal.

### OMNICUT 15 KNIFES (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.

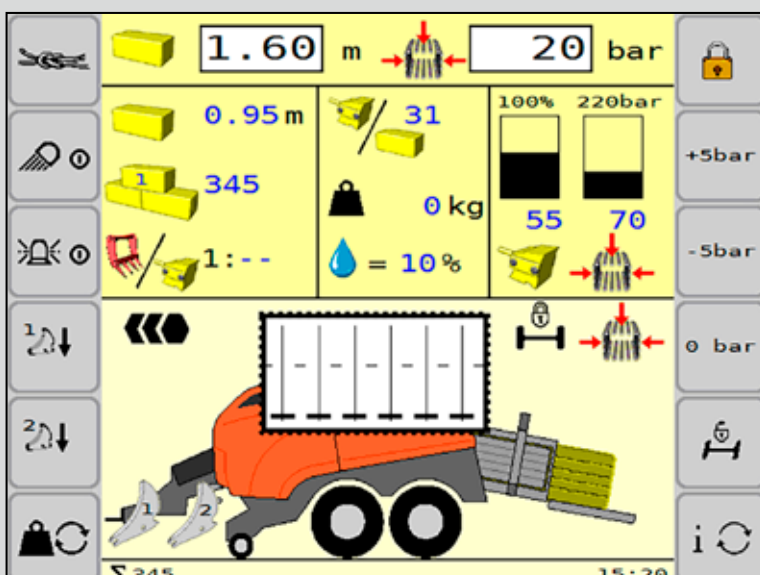


### OMNICUT 23 KNIFES (OC 23)

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 knives on the OC 23 have individual hydraulic protection. This ensures a perfect cutting quality regardless of working speed and crop. On the SB models the operation of the knife group configuration is easily done from the tractor cab via the terminal. On the LSB models only two levers have to be moved. The operator can choose from the following knife group configurations: 0 – 11 – 12 – 23. The boltable rotor tines made out of Hardox® wear plate guarantee easy exchange. Together with the standard cassette system for easy knife changing, you invest in cutting quality and in driver comfort.



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



Knife selection



One-sided sliding knife cassette system



## BALE FORMATION

# THE IMPORTANCE OF BALE SHAPE



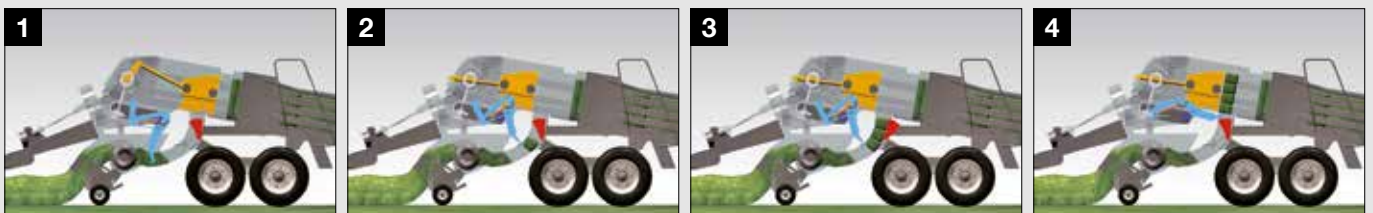
Consistently shaped bales bring more than just aesthetic appeal. A dense, consistently filled bale represents quality in every form. Square bales are easy to handle and stack. In addition, they are much more stable during transport than a poorly formed bale. A perfect square-edged bale reduces the risk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

## POWER DENSITY - THE KUHN PRE-CHAMBER

The KUHN POWER DENSITY system, a single feeder fork design, proves that a well-engineered, active pre-chamber filling system can eliminate complexity. This pre-chamber system ensures consistently filled flakes and results in heavy, square-edged bales regardless of the costs condition. The single feeder fork combines two functions into one mechanism, eliminating unnecessary components and complexity resulting in lower maintenance costs.

### HOW DOES IT WORK?

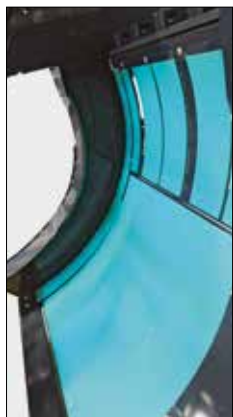
1. The INTEGRAL ROTOR actively delivers the crop to the chamber.
2. The feeder fork (blue) provides an active filling of the pre-chamber.
3. The single-acting feeder fork continues to form the bale flake until the measuring plate (red) is pushed back with a predetermined force.
4. Once the measuring 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.



### COMFORT AND QUALITY

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.

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.



Pre-chamber inspection door



# BALE CHAMBER

The specially 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.

## DENSITY REGULATION

KUHN large square balers are known for their perfectly shaped bales with consistent density.

The density on the LSB models can be regulated in two ways according to the driver's preference. Using the conventional setting, the pressure on the bale channel is directly regulated from the terminal. With the automatic setting, the machine detects the load and automatically adjusts the pressure on the bale channel. Switching between the two settings is quick and easy resulting in a versatile, easy to operate machine.

On all SB models the automatic setting has been evolved into the new KUHN patented\* torque density regulation system. This system ensures a perfect balance between capacity and density by machine-load measurements performed throughout the complete plunger cycle.

## 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 and 40% moisture content. Moisture information shows up in real time on the tractor monitor.



## LAST BALE EJECTOR

To guarantee safe transport on the road, the last bale ejector is used to remove the last bale from the chamber.



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



# ROBUST DRIVELINE AND MAXIMUM SECURITY



Synchronised drive of components is made via gearboxes and shafts. This ensures a perfectly synchronised machine with easy maintenance.



## 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.

Another 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.



*INTEGRAL ROTOR protection clutch*



# A SOLUTION FOR EVERYBODY

One of the last steps in creating a perfect bale is the knot. With the knotting options on your KUHN large square baler you can be sure of a reliable and secure knotting system that meets your requirements.

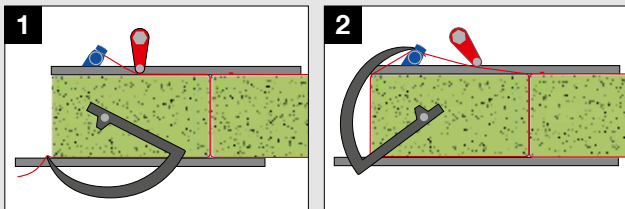
## TWIN STEP KNOTTING

The unique TWIN STEP knotting system on the LSB series models consists of a single knotter and smart system that releases the twine tension during the knotting cycle. The result is a secure, simple and highly reliable knotting system.

While baling, the knotters (blue) are at rest and the twine is guided by the twine tension release lever (red, picture 1) in the vertical position. Tension is held on the twine to ensure maximum density in the bale.

**Step 1:** As the bale reaches the desired length, the needles (grey) are activated and move upwards towards the knotter to start the knotting cycle.

**Step 2:** By pivoting backwards, the tension lever (red, picture 2) releases the twine and consequently reduces tension on the knotter during the knotting cycle. This guarantees a perfect knotting process.



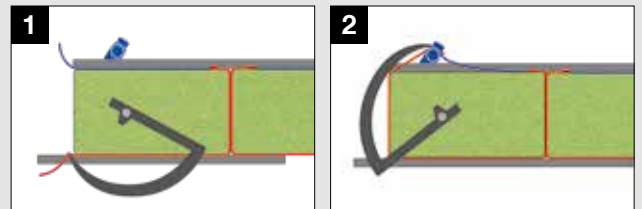
## DOUBLE KNOTTING

The SB series models are equipped with a double knotting system. Via electronic knotter monitoring, the driver has accurate information concerning twine tension at all times and receives an alarm if an issue arises. The knotting progress can be monitored directly from the tractor cab.

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.



*TWIN STEP models  
Electric knotter fans*

## KNOTTER CLEANING



*Double knotter models  
Hydraulically driven fans*



# INTUITIVE USER INTERFACES

User interfaces are the key to achieving the productivity you expect from your KUHN machine. We listened carefully to the users of our machines to develop our new user interfaces and terminals. The objective is to have a clear view of what your machine is doing at anytime, and to have all important settings at your fingertips. This ensures that you have full control of your machine.



## CCI 800

The CCI 800 sets new standards in the operation of modern ISOBUS machines. The touchscreen in conjunction with the operating concept of CCI.OS is easy to operate. With its 8" widescreen display, the CCI 800 offers the optimal size to focus on one application. For additional user-friendliness, the CCI 800 can work in split screen mode to display two additional applications without overlapping the main application.



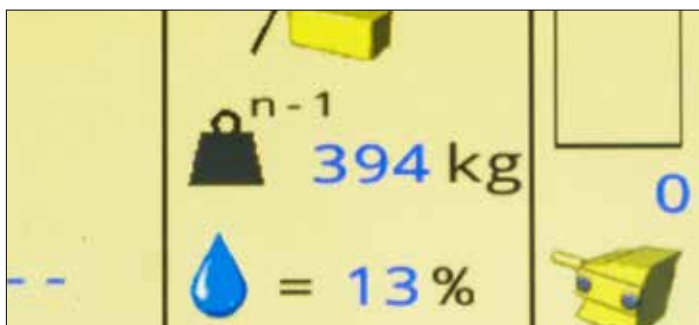
## CCI 1200

The CCI 1200 is our state of the art ISOBUS terminal. The 12.1" colour touchscreen has a programmable view. For example, you can see both the camera and the machine user interface on the same screen. It offers wide compatibility with CCI Apps and can be your portal to precision farming. The CCI 1200 comes in a storage box so you can stow it securely when not in use.

## BOOST YOUR PRODUCTIVITY WITH THE KUHN INTEGRATED 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.



## 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.



# SPEED UP YOUR DAILY MAINTENANCE



## **TWINE BOXES**

The twine boxes swing out completely for easy access to the vital parts of the machine. Behind the full-access side doors, 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. To reduce daily maintenance and to preserve your machine, the automatic central greasing system is fitted as standard on all models.

The twine boxes on the single knotter models are capable of storing up to 24 twine spools. As an extra option, a moveable service light. It can be plugged in at 3 convenient places and provide you with light where you need it.

The double knotter models have a twine capacity of 32 x 13 kg spools and integrated dust protection through shielding of the twine boxes. The double knotter models 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.

## **STORAGE HOSES**

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



*Automatic greasing system*



*Shielding and twine boxes*



*LED work lights*



*LED service lights*



# OVERVIEW LSB 870 - 1270

## MACHINE HIGHLIGHTS



TWIN STEP knotting system



Pivoting twine boxes for easy maintenance



POWER DENSITY pre-chamber system



Automatic pressure regulation



# OPTIONS

5



Automatic greasing system



Pick-up guide wheel



Driven crop roller



Flexible working light



Moisture sensor



Weighing system



Electric binding system



Easy flow plates for pre-chamber



**SB SERIES**

# BOOST YOUR PROFITABILITY



**With the SB series KUHN releases a new generation of large square balers. Designed to achieve high capacity and high bale weights combined with excellent driver convenience, the balers boost the profitability of your baling operation. The robust driveline makes these balers extremely durable. Four double knotter models producing three different bale sizes, offer you a solution in all crop conditions.**

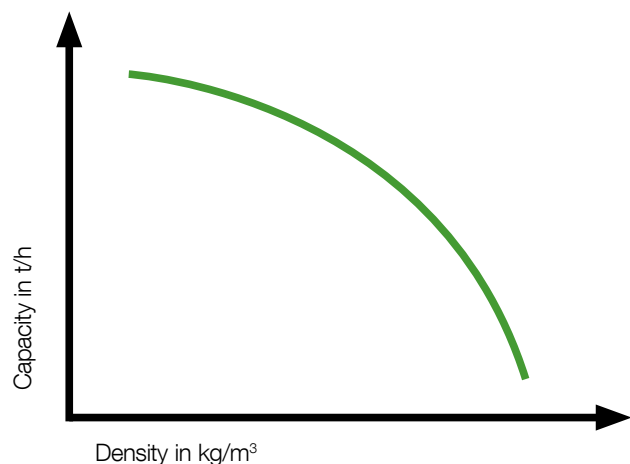
## HIGH INTAKE CAPACITY

Intake capacity is one of the most important factors in profitability. That is why 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.



## 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. The benefit of this sophisticated measuring method is that up to 5% higher bale density can be achieved when driving at a capacity of 25 t/h. This results in a higher transport and handling efficiency.





### EXTREME ROBUSTNESS AND DURABILITY

Perform at maximum capacity with a highly secure intake system. The heavy-duty driveline features self-resetting cam-clutches so shear bolt replacements are a thing of the past. The proven INTEGRAL ROTOR invented by KUHN combined with the POWER FEED ROLLER delivers best-in-class crop flow. Boltable rotor tines on the 60 cm diameter rotors guarantee easy exchange while working in extreme high-wear environments such as sugarcane fields. The POWER DENSITY pre-chamber system provides you perfectly formed square bales in all circumstances. The system is characterised by simple mechanical operation and maintenance-free bearings.



### SMART DESIGN FOR MORE USER CONVENIENCE

The SB range is *designed by KUHN, made by KUHN*. The design offers perfect accessibility to the inside of the machine during daily inspection and maintenance. For more safety, the knotter 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. Moreover, the driver can benefit from optimal comfort thanks to the heavy flywheel, the load sensing hydraulics and the torque regulation system.



### 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.



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



# OVERVIEW SB 890 - 1290

## MACHINE HIGHLIGHTS



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*



# OPTIONS



LED working lights



Moisture measurement



Weighing system



Electric binding system



Easy flow plates for pre chamber



POWER FEED ROLLER



Easy accessible twine boxes with 2x16 capacity



485 kg flywheel



Semi-pneumatic pivoting pick-up guide wheels



# OVERVIEW SB 1270 X

## MACHINE HIGHLIGHTS



Double knotting system with standard electronic monitoring



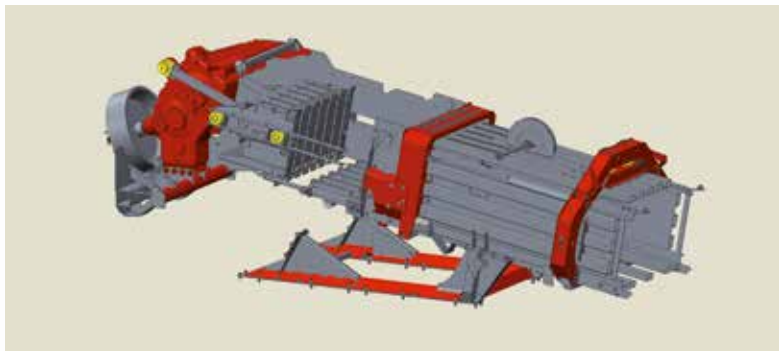
Pivoting twine boxes for easy maintenance



POWER DENSITY pre-chamber system



Automatic pressure regulation



Automatic greasing system



Knotter cleaning turbines



# OPTIONS

## X FOR XTRA BALE DENSITY

The SB 1270 X can reach up to 10% more density compared to standard 120 x 70 models. Several features were added to help achieve this density increase:

- Extra strong main gearbox
- Extra strong main frame and bale channel design
- Extra dimension of bale channel cylinders



POWER FEED ROLLER



Easy accessible twine boxes with 2x16 capacity



485 kg flywheel



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

**Due to climate changes, the transport of crops and crop residues will increase and regulations will be intensified in order to control the logistics. Square bales will play an important role, as they enable efficient logistics and crop handling. 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.**

## **EFFICIENT LOGISTICS AND HANDLING COUNT**

Maximise the transport and handling efficiency of large square bales with the SB 1290 iD (i-DENSITY) baler. The 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**

Normally higher bale compaction leads to higher machine peak loads, and heavy machinery. With the intelligent features on the SB 1290 iD, KUHN proves that high bale density and low power requirement can be combined into one machine. The KUHN TWINPACT double plunger system ensures that high peak loads are avoided. Moreover, the bale channel, driveline 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.

## **BIOMASS AND ENERGY CROP PROCESSING**

The world's demand for energy is increasing fast. This brings new opportunities for agricultural producers all over the world. A process for generating bio-energy that has been developed over years is generating heat by burning the crop. The most common crop is straw, but also maize straw, sugarcane leaves and other crops are used to generate energy. The key to profitability is the logistics of these crops and crop residues to the power stations.

## **EXTREME DURABILITY**

The compression area of the bale chamber is equipped with special wearing parts made out of Hardox® wear plates to ensure extreme durability in the most challenging crop conditions. The bale channel is longer (375 cm) and more robust to achieve the extra friction and fixation needed to produce high-density bales.





**FRICTION PLATES**

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



# HIGH DENSITY BALES, LOW POWER REQUIREMENT

**HIGH-DENSITY LARGE SQUARE BALERS**

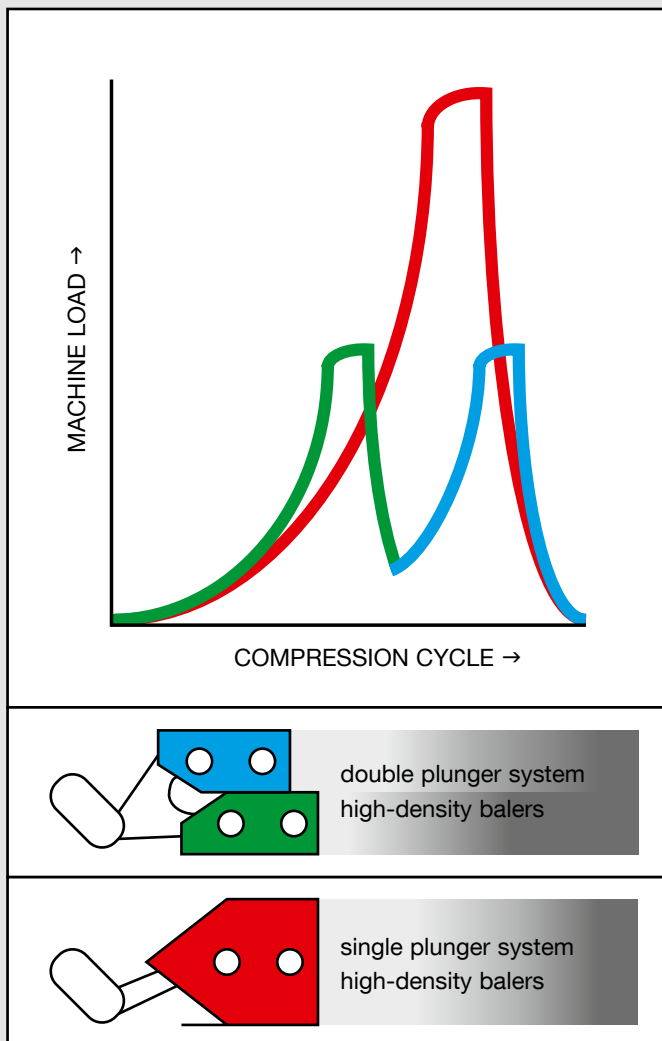
Conventional large square balers use the force of a plunger stroke to compress the crop inside the bale chamber to form a nicely shaped and dense bale.

**KUHN i-DENSITY BALING**

The KUHN SB 1290 iD baler features the patented\* TWINPACT double plunger system, an intelligent way to reach extremely high bale density and avoid giant peak loads on the machine. The TWINPACT 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.



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





# OVERVIEW SB 1290 iD

## MACHINE HIGHLIGHTS



TWINPACT plunger



2 Heavy-duty, greased plunger rolls



3 Replaceable, high wear-resistant bale channel parts.



4 Double knotting system with standard electronic monitoring



# OPTIONS



11  
*POWER FEED ROLLER*



10  
*Pivoting twine boxes*



*LED working lights*



*Moisture measurement*



9  
*485 kg flywheel*



*Weighing system*



8  
*POWER DENSITY pre-chamber system*



*Electric binding system*



7  
*375 cm bale channel length*



*Easy flow plates for pre chamber*



5  
*Automatic greasing system*



6  
*Knotter cleaning turbines*



*Semi-pneumatic pivoting pick-up guide wheels*



# 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 and LSB baler range. With this combination, you will be able to produce an even higher quality baled product.



## 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 and LSB balers, creating harmony between the two machines.







# APPLICATION EQUIPMENT

## ALL YEAR LONG

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.



*Bale tagging system*



*Dye spray marker*



## 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.

*Preservative applicator*



**SERVICE AND SUPPORT**

# 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.

In the case of a breakdown, it gives peace of mind knowing our dealers carry sufficient critical and genuine parts in stock. Our KUHN partners are all served by our efficient parts distribution organisation. No matter which parts you need, they are never far away.



## **KUHN PARTS**

### **MAXIMISE PRODUCTIVITY, MINIMISE DOWNTIME**



With genuine KUHN spare parts you can work in the field with confidence. Our foundries, our forge, and our modern production facilities allow us to produce spare parts that maximise efficiency and performance. Our know-how built on nearly two centuries of experience has earned the trust of millions of customers all over the world.





# MyKUHN - THE LINK TO MY SUCCESS

## MyKUHN

### MyKUHN – ONLINE PORTAL FOR KUHN MACHINE OWNERS

Join the MyKUHN\* online portal and discover how our exclusive services will make your KUHN fleet management so much easier. Visit [MyKUHN.com](http://MyKUHN.com) and sign up for free!

- Manage and maintain your fleet
- Order genuine parts
- Download operator manuals
- Optimise your machine settings

- Expert advice and information
- Special offers and news
- Stay in touch with your dealer

**MYKUHN.COM**

\*Availability depending on country.



## 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.







SPECIFICATIONS													
	Balers with 80 cm crop flow channel				Balers with 120 cm crop flow channel								
	LSB 870		SB 890		LSB 1270		SB 1270 X		SB 1290		SB 1290 iD		
	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	OPTIFEED	OMNICUT	
<b>Bale dimensions</b>													
US square bale size	2x3		3x3		2x4		2x4		3x4		3x4		
Width (cm / inch)	80 / 32"		80 / 32"		120 / 47"		120 / 47"		120 / 47"		120 / 47"		
Height (cm / inch)	70 / 28"		90 / 35"		70 / 28"		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 / 15	-	0 / 11 / 12 / 23	-	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"	-	45 / 1¾"	-	45 / 1¾"	
Knives protection	-	Individual spring	-	Individual spring	-	Individual hydraulic	-	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	TWIN STEP (optional)		Double knotter		TWIN STEP (optional)		Double knotter		Double knotter		Double knotter		
Knotter cleaning	Electric fans		Blowers		Electric fans - optional blower		Blowers		Blowers		Blowers		
Twine spool capacity	24		32		24		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)	7.80 / 25'7"		8.00 / 26'3"		8.00 / 26'3"		8.00 / 26'3"		8.00 / 26'3"		7.90 / 25'11"		
Width (m / inch) **	2.76 / 9'1"		2.76 / 9'1"		3.00 / 9'10"		3.00 / 9'10"		3.00 / 9'10"		3.00 / 9'10"		
Height (m / inch)	2.70 / 8'10"		3.26 / 10'7"		2.75 / 9'		3.26 / 10'7"		3.26 / 10'7"		3.45 / 11'4"		
Weight min - max (kg / lbs) **	7.400 - 9.500 / 16.314 - 20.944	8.300 - 10.400 / 18.298 - 22.928	8.300 - 10.400 / 18.298 - 22.928	8.300 - 10.400 / 18.298 - 22.928	8.100 - 10.200 / 17.857 - 22.487	8.100 - 10.200 / 17.857 - 22.487	9.650 - 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)***	66 / 90	74 / 101	77 / 105	88 / 120	81 / 110	99 / 135	96 / 131	114 / 155	103 / 140	121 / 165	132 / 180	144 / 196	

◆ standard ◇ optional equipment - = not available

\* 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.



SB - LSB

series

# DESIGNED BY KUHN, MADE BY KUHN

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.

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



Visit us on our YouTube channels.



Your KUHN dealer

### KUHN S.A.S.

4 Impasse des Fabriques - BP 50060,  
F-67706 Saverne CEDEX - FRANCE

### KUHN NORTH AMERICA, INC.

1501 West Seventh Avenue - Brodhead, WI 53520 - USA

### KUHN FARM MACHINERY PTY. LTD

313-325 Foleys Road - Deer Park, VIC, 3023 - AUSTRALIA

### KUHN FARM MACHINERY (U.K.) LTD

Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ

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