

Fixed Chamber Round Balers



www.kuhn.com

FB 119 / 2130



be strong, be **KUHN**



FB

119

2130

KUHN ROUND BALERS

PERFECT BALES UNDER ALL CONDITIONS!

THE QUALITY YOU'RE LOOKING FOR

Field performance, bale quality and bale density are fundamental to the profitability of every baling operation. Every minute counts when weather conditions are uncertain. The unique innovations on the KUHN balers make a real difference in field performance.

UNMATCHED RELIABILITY

KUHN offers the most efficient and versatile range of balers available on the market. KUHN balers are not only designed to produce top quality bales but are also built for unmatched reliability.

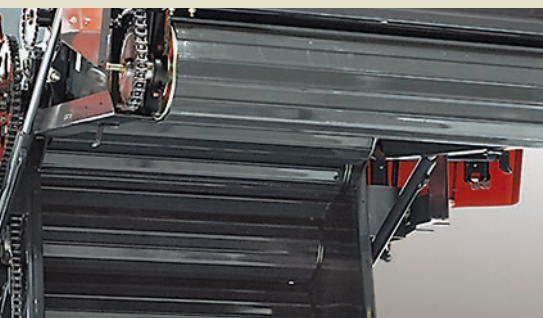
STAYING IN FRONT WITH NEW INNOVATIONS

KUHN's Research & Development department is constantly improving the Round Balers to stay in front with innovations like: POWERTRACK, INTEGRAL ROTOR Technology and DROP-FLOOR.



Models	FB 119	FB 2130 optifeed	FB 2130 opticut 14
Intake width	1.67 m	2.30 m	2.30 m
Integral rotor	-	◆	◆
Knives / knife protection	- / -	- / -	14 / Spring

POWERTRACK



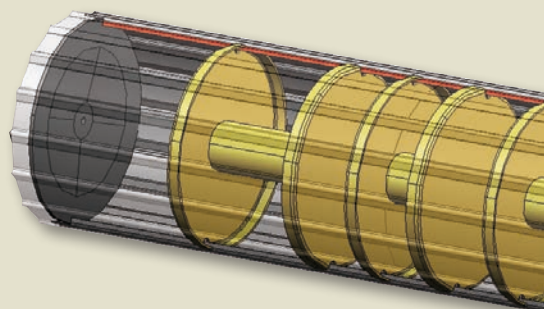
POWER TRACK

The 14 steel rollers with an asymmetrical profile ensure a reliable bale rotation without stoppages. The PowerTrack rollers start to rotate the core of the bale as fast as possible to ensure maximum compression.

Thanks to the asymmetrical profile maximum rotation, traction and compression is assured for producing rock hard bales.

The high-grade steel rollers are constructed from two overlapped pressed sections which are then fully seam-welded for maximum rigidity.

Radial support rings located inside each roller creates additional strength, while the end plate and roller stub shafts are forged in one piece.



BALE CHAMBER

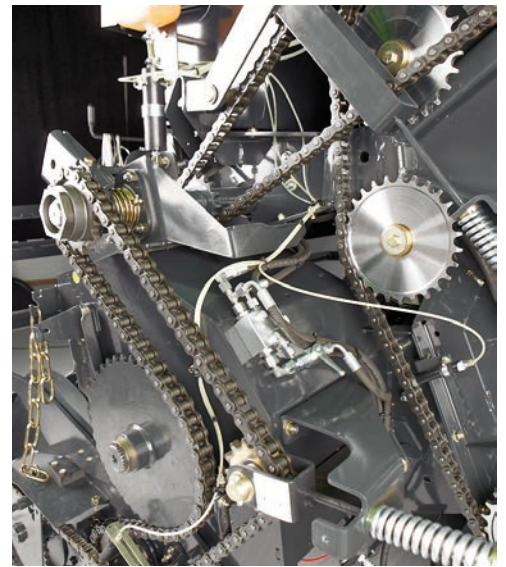


BALE CHAMBER

Producing many silage, hay and straw bales each season an extremely tough and well thought-out design is demanded.

To compress the crop into bales with a consistent size and density, the baling process has to be as effective as possible while being gentle on the crop.

The 14 BaleTrack rollers equipped with a unique ribbed profile provide optimal traction and compression. Together with PowerLock the KUHN Fixed Balers exceed the requirement in every aspect.



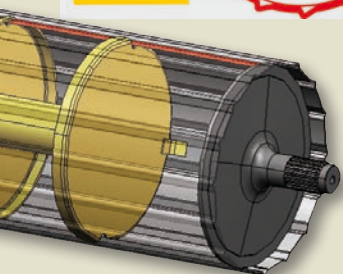
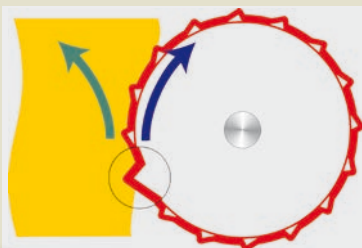
POWERLOCK

Strong rear door hydraulic cylinders work in combination with a hydraulic lock valve to produce maximum bale density.

The accumulator levels off peak loads on the rear door and automatically protects for overloading. For those who need diverse bale densities the pressure can be manually set to a maximum of 170 bar.

DRIVELINE

Each roller has heavy duty bearings and are bolted onto the side walls of the bale chamber for easy access and maintenance. The FB 2130 has an automatic cam clutch protection on the PTO drive shaft.



EASY AND RELIABLE



BINDING SYSTEMS

The binding cycle is crucial during baling. Less time needed for binding means a higher output. To optimise this process, main adjustments can be done via the AutoPlus control box.

The number of wraps can be pre-set. On the KUHN Fixed Balers the binding is placed at the front of the machine, resulting in a perfect view on the binding process from the tractor seat. Changing the net roll can easily be done standing safely on the ground next to the machine.

OPEN THROAT

With the OPEN THROAT design with 1,67m Pick-Up, there is no restriction on the crop as it feeds into the baler.

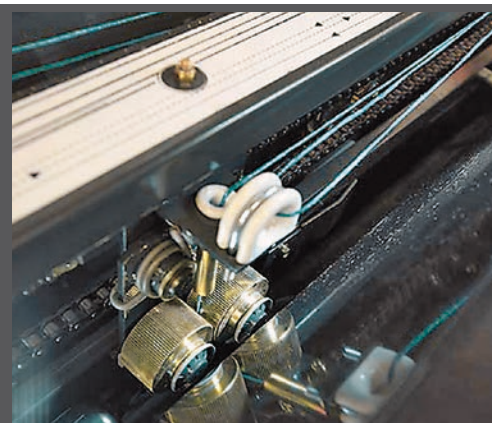


TWINE BINDING

The twine binding cycle can be monitored via the AutoPlus control box but from the tractor seat there also is an excellent view on the binding process. By use of the double twine binding system the binding cycle time is reduced to a minimum. In the twine binding cycle both of the twines start at the bale centre and overlap itself and then move to the edges of the bale. Then the twines are moving gradually to the centre of the bale again. The twines are intertwining at the final stage to secure that the twines are fixed and there are no loose ends.

NET BINDING

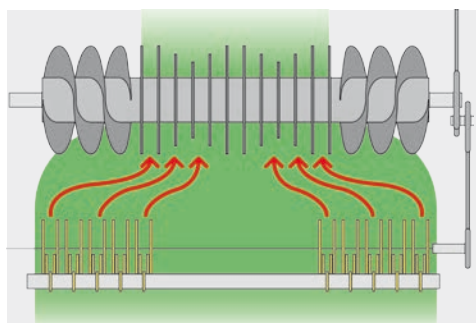
The optional net binding provides the bale with a clean and tidy net wrap from edge to edge. The net is fed into the front of the bale chamber to secure an even and direct start. A second net roll storage guarantees enough net supply for a long working day.



HIGH PERFORMANCE AND LOW MAINTENANCE

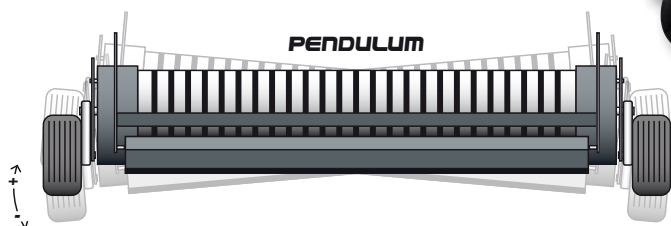
INTEGRAL ROTOR TECHNOLOGY

The large diameter rotor on the FB 2130 has heavy duty auger flighting which is integrated directly onto the outer sections of the rotor. This system is called Integral Rotor Technology. This maintenance-free and short distance intake system ensures even feeding regardless of variations in the crop. With this system, even the heaviest of crops are force-fed through the intake, resulting in higher forward speeds for outstanding productivity.



PICK-UP

The new designed Pick-Up gathers the densest of swaths even at high forward speeds. The PENDULUM system and 2.30 m wide intake with height adjustable guide wheels accurately carry the Pick-Up over every ground contour. The Pick-Up roller helps to even out the flow of material into the Integral Rotor, regardless of the crop conditions.



OPTIFEED & OPTICUT 14

Where chopping is not required, the OPTIFEED Integral Rotor will feed the crop directly into the bale chamber. The FB 2130 can also be equipped with a cutting device, named OPTICUT 14. The 14 knives cut the crop to

a maximum of 70 mm. Each single knife is spring protected against damage. When the obstruction is passed the knife will automatically return to its cutting position.

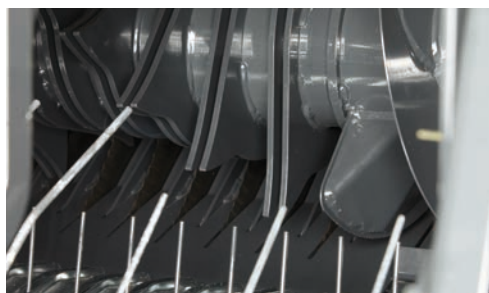


DROP-FLOOR

The intake unit is protected by the main PTO clutch. If a blockage occurs the PTO clutch is automatically activated. In addition the complete cutting floor including the knives can be lowered. First the cutting floor will be lowered automatically followed by the knives. After the blockage is cleared the cutting floor including the knives can be brought back into the working position. In extreme circumstances KUHNS provides double security by rotor disengagement clutch which separates the rotor drive so the bale can be finished.



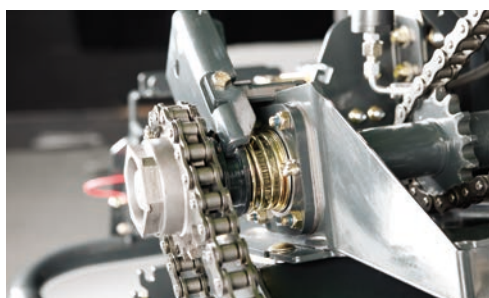
2.30 m. WIDE PICK-UP



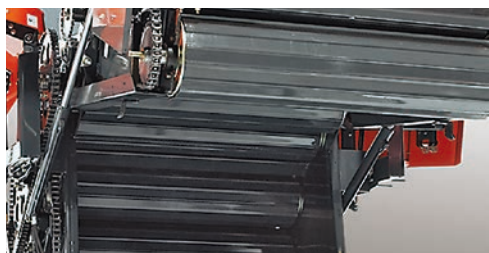
NEW ROTOR DESIGN



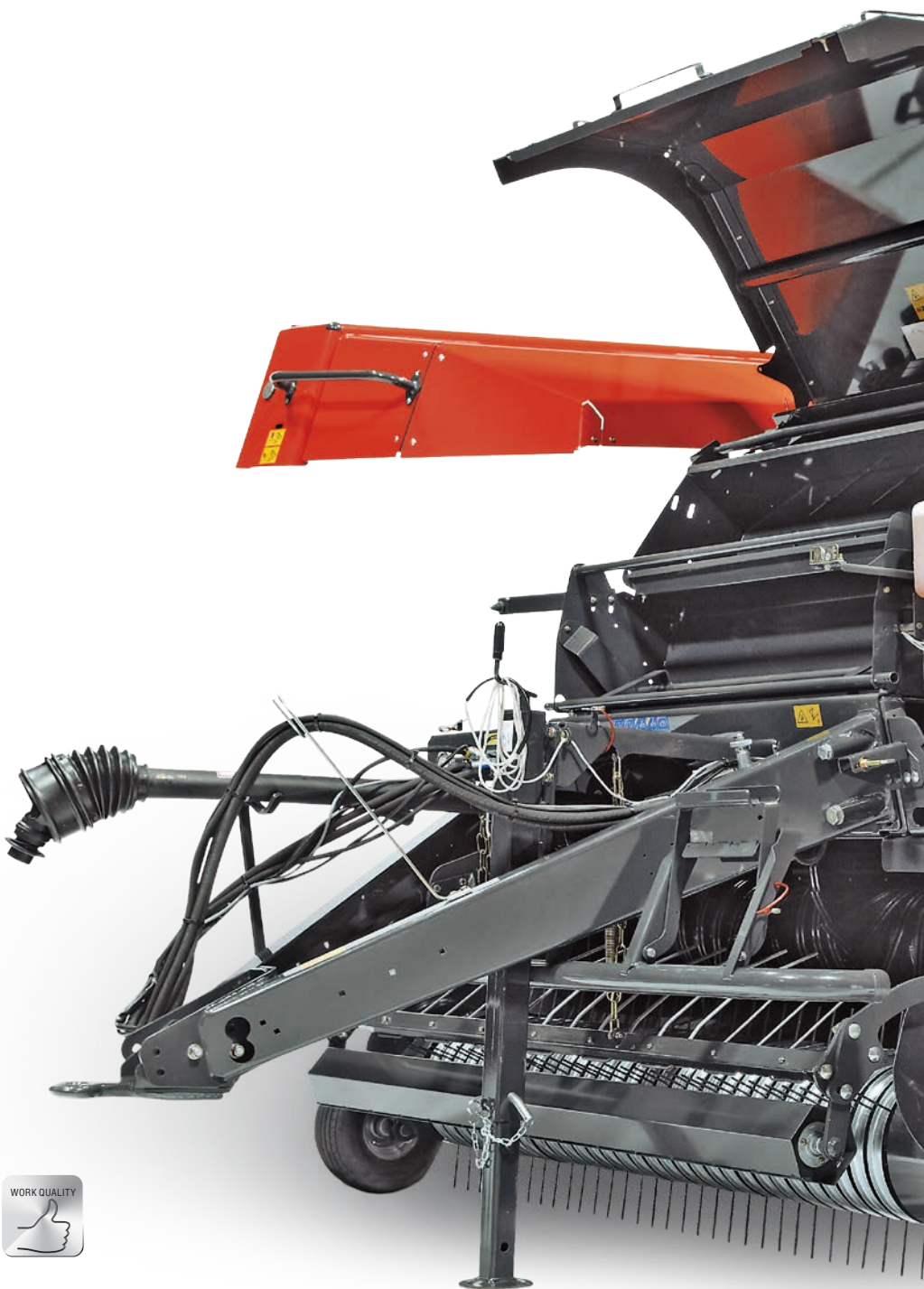
DROP-FLOOR



ROTOR CLUTCH



POWERTRACK



KEY FEATURES OF BALING TECHNOLOGY

NEW INTEGRAL ROTOR DESIGN

For maximum capacity and improved cutting quality.

DROP-FLOOR

With single knife protection on machines with cutting device.

ROTOR CLUTCH

To disengage feed rotor from driveline to finish the binding cycle in case of extreme blockage. Standard mechanically operated, optional hydraulically operated. In combination with the new DROP-FLOOR system this generates double security.



CHAIN LUBRICATION



BALE RAMP



BINDING SYSTEMS



TWINE BINDING

POWERTRACK

14 steel rollers with an asymmetrical profile ensure a reliable bale rotation without slippage.

CHAIN LUBRICATION

Chain lubrication and greasable roller bearings as option available. The roller bearings can be greased from four conveniently reachable grease banks.

BALE RAMP

To maximize capacity when wrapping with net wrap. This creates the ability to open the tailgate, drop the bale and close the tailgate all at the same position.

BINDING SYSTEMS

Three configurations of binding systems possible: twine, net or twine and net.

ELECTRONICS



AUTOPLUS

The in-cab control box provides clear and easy to read information and gives full command of the baling process. An audible and visual alarm signals when the bale is ready. A choice in automatic or manual start of the tying process can be preselected. Adjustments like the number of netwraps are easily controlled from the tractor seat. AutoPlus also provides a daily and total bale counter. With the integral magnet and hook on the backside, the control box easily can be installed in each tractor cab without any tools.



OPTIONS



1. DIFFERENT SIZED TYRES - 2. SEVERAL HITCH OPTIONS AND A REVERSIBLE DRAWBAR - 3. BALE RAMP - 4. GREASIBLE ROLLER BEARINGS - 5. CHAIN OILER.

Specifications

	FB 119	FB 2130 OPTIFEED	FB 2130 OPTICUT 14
Bale dimensions			
Overall length	4.43 m	4.43 m	4.43 m
Overall width	2.35 m	2.48 m	2.48 m
Overall height	2.21 m	2.28 m	2.28 m
Total weight	1950 kg	2800 kg	2950 kg
Pick-Up			
Intake width	1.67 m	2.30 m	2.30 m
Pick-Up roller	◇	◆	◆
Pneumatic-tyred gauge wheels	◇	◆	◆
Integral Rotor			
Integral Rotor	-	◆	◆
Knives / knife protection	- / -	- / -	14 / Spring
Rotor disengagement			
Mechanical / Hydraulic	-	-	◆ / ◇
Bale chamber			
No. of rollers with ribbed profile	14	14	14
Bale chamber diameter	1.25 m	1.25 m	1.25 m
Bale chamber width	1.22 m	1.22 m	1.22 m
PowerLock density control system	◆	◆	◆
Bale ejection ramp	◇	◇	◇
Drive line			
PTO shaft with shearbolt	◆	-	-
PTO shaft with cam-type slip clutch	-	◆	◆
Operation			
Terminal	Autoplus	Autoplus	Autoplus
Wrapping system			
Twine capacity	◆ / 5	◆ / 5	◆ / 5
Net capacity	◇	◇	◇
Twine & net capacity	-	◇	◇
Hitching system & axles			
Top & bottom hitch	◆	◆	◆
Hydraulic / Pneumatic brakes	- / -	◇ / ◇	◇ / ◇
Tyres			
1.5/80-15.3	◆	◆	◆
15.0/55-17	◇	◇	◇
19.0/45-17	-	◇	◇

◆ = standard equipment ◇ = optional equipment - = not available

FIND THE KUHN FIXED CHAMBER ROUND BALER, WHICH IS PERFECTLY ADAPTED TO YOUR NEEDS!

FB

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CHECK OUT THE WHOLE KUHN BALER RANGE



1. Variable Balers - 2. Variable BalePacks - 3. Fixed BalePacks - 4. i-BIO - 5. Large Square Balers - 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
Phone : (608) 897-2131 - Fax : (608) 897-2561
www.kuhnnorthamerica.com

TO FIND YOUR NEAREST AUTHORIZED PARTNER VISIT
www.kuhn.com

KUHN FARM MACHINERY PTY. LTD

313-325 Foleys Rd - Deer Park, 3023, Victoria - Australia
www.kuhn.com.au

United Kingdom KUHN FARM MACHINERY (U.K.) LTD

Stafford Park 7 - TELFORD - SHROPSHIRE TF 3 3 BQ
Phone : TELFORD (01952) 239300/1/2 - Fax : (01952) 290091
www.kuhn.co.uk

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