



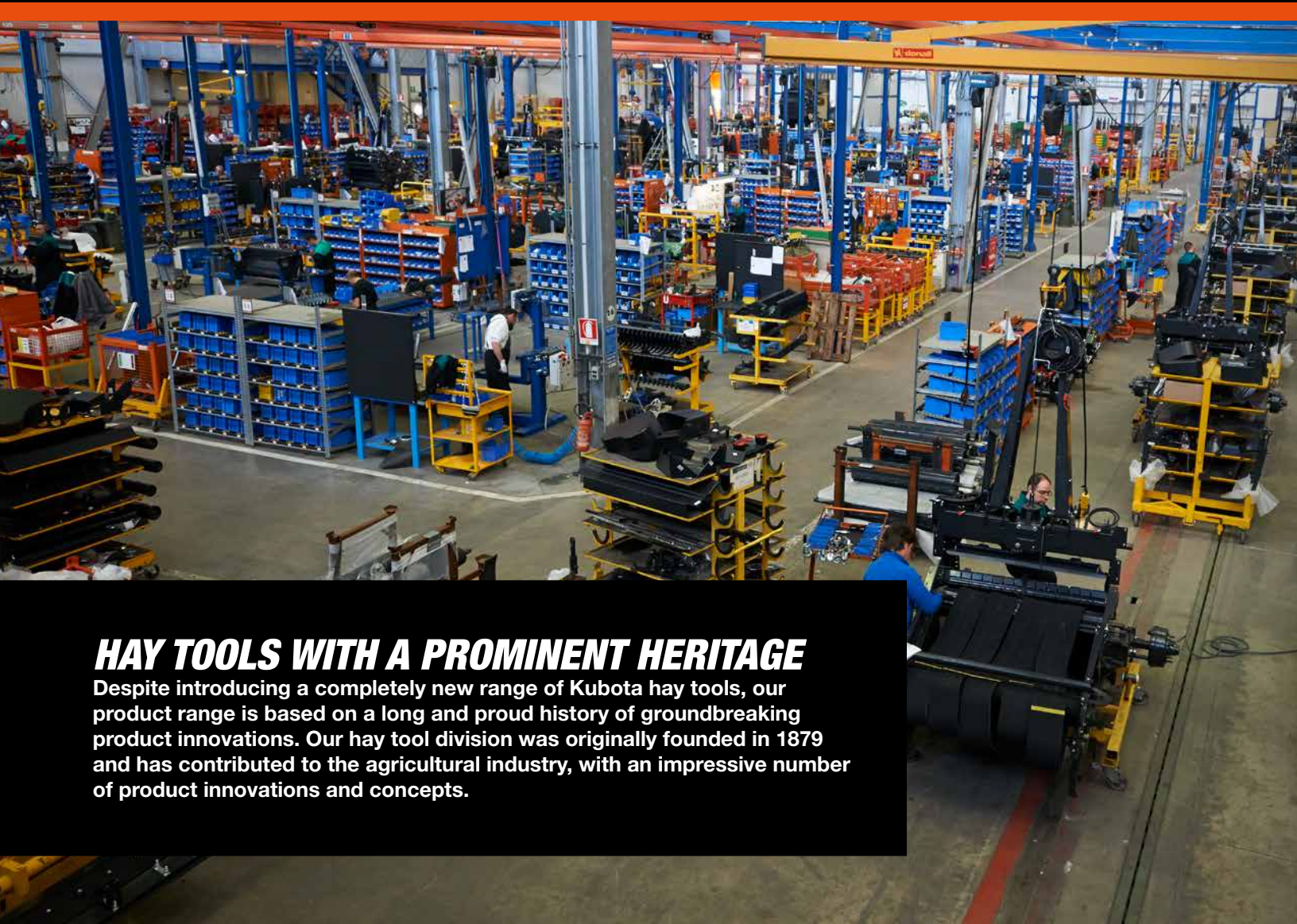
For Earth, For Life
Kubota

BV-WR

**KUBOTA ROUND BALERS AND WRAPPERS
BV4160/BV4180/BV4580/
BV5160/WR1100/WR1400**



OUR BALER



HAY TOOLS WITH A PROMINENT HERITAGE

Despite introducing a completely new range of Kubota hay tools, our product range is based on a long and proud history of groundbreaking product innovations. Our hay tool division was originally founded in 1879 and has contributed to the agricultural industry, with an impressive number of product innovations and concepts.



1949

Introduction of the finger wheel rake.



1961

Invention of the rotary tedder.



1974

Invention of the disc Mower conditioner combination.



1958

Invention of the pendulum spreader.



1965

Introduction of the first loader wagon with a rotor cutting unit.



1976

Introduction of the triangular shaped mowing discs.



FACTORY




Manufacturing of Balers and Bale wrappers

Kubota's baler factory is one of the most modern baler manufacturing sites in the world. The production facility has more than 30 years of baler manufacturing experience. A new modern factory was opened in 1999 to streamline production and comply with LEAN principles.


- Headquarters for the Kubota Bale Equipment Division.
- Based in Ravenna, Italy.
- Manufacturer of round balers and bale wrappers.
- Founded in 1922.
- First baler introduced in 1958.
- A 323,000 square feet roofed facility.
- Current manufacturing site opened in 1999.




1982
Launch of the integrated BX swath belt for disc mowers.



1985
Invention of first ISOBUS Terminal.




1989
Invention of the Opticut cutting System for balers.




2011
Introduction of GeoSpread, GPS based section control.


1983
First high density big baler suitable for silage.



1986
Invention of the bale wrapper.



2001
First ISOBUS precision farming terminal.



2013
Launch of Kubota Hay Tools.

MORE VALUE I



Kubota BV4160 ECONO

Bale Diameter:
4-ft wide and up to 5-ft Tall
(47" x 31" – 65").



Kubota BV4160

Bale Diameter:
4-ft wide and up to 5-ft Tall
(47" x 31" – 65").



Kubota BV4180

Bale Diameter:
4-ft wide and up to 6-ft Tall
(47" x 31" – 71").



Kubota BV4580

Bale Diameter:
5-ft wide and up to 6-ft Tall
(62" x 31" – 71").

N YOUR BALES



Kubota BV5160 SuperCut-14

Bale Diameter:
4-ft wide and up to 5-ft Tall
(47" x 24" – 65").



Kubota WR1100

Max Bale Size:
4-ft wide and up to 5-ft Tall (47" x 50")
- 2650lbs



Kubota WR1400

Max Bale Size:
4-ft wide and up to 5-ft Tall (47" x 50")
- 2650lbs

DENSE BALES WITH A

KUBOTA BV4160- BV4180



Dry Hay, Silage and Straw

Kubota BV4160 and 4180 balers produce great quality bales in Hay, Silage and Straw. The three versions offer bale diameters from 31" up to 65" and 71" respectively

Bale diameter is easily adjusted from the control terminal, while a combination of five belts and three rollers provides instant bale starting in all conditions.

Single Fork Feeder

Kubota BV 4000 models are fitted with an efficient fork feeder intake system which provides direct feed into the bale chamber. The wide intake opening gives superb intake capacity, while its gentle action also protects leaf loss sensitive crops.



Single fork feeder.

TIGHT OUTER LAYER



HIGH CAPACITY 79" PICK-UP

BV 4160 and 4180 Premium models are equipped with the latest Kubota pick-up which provides high throughput and smooth crop flow.

The low profile design gives clean raking performance even in the shortest crop conditions.



Guide wheels with large flotation tires are fitted as standard equipment.



Bale formation belts are equipped with industry leading MATO lacings.



Silage Special models

BV4160 and BV4180 Premium models can be specified in 'Silage Special' configuration. These models come ready fitted with powered rotating scrapers on two bale chamber rollers.



Silage Special model with rotating roller scrapers.

5'X6' ROU

KUBOTA BV4580



Kubota proudly presents the new BV4580 - the latest addition to the range of Kubota round balers. Producing high density 5'x6' bales, the BV4580 has the capacity to satisfy the most demanding requirements.



EasyFeed rotary intake system with huge intake capacity and gentle crop handling.



Clean raking 86" wide pick-up with twin cam tracks, 5 tine bars and roller crop press.

ND BALER

HOW THE BALING CHAMBER WORKS

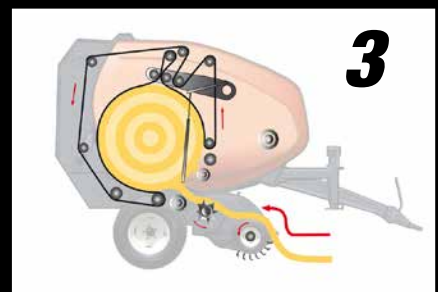
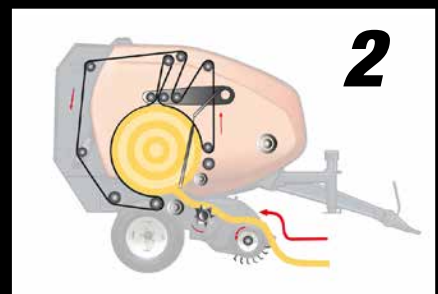
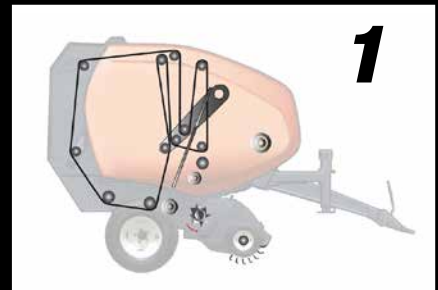
The bale forming belts on Kubota BV4000 series models are supplemented by three rollers at the front of the bale chamber. This unique 'mixed chamber' concept gives smooth bale starting and consistent bale rotation.

The Kubota BV4000 series bale chamber produces superb looking bales of consistently high quality in a wide variety of crop conditions. Bale density is adjustable with a manual control valve conveniently mounted on the front of the baler.

A combination of belts and rollers ensures instant bale starting in all crop conditions.

As the bale grows, the belt tensioning arm is subjected to steadily increasing resistance from two hydraulic cylinders and a spring tensioner. As the bale diameter grows, so does the bale's density.

The result is a dense bale with a very firm outer layer. Straw bales will be more tolerant to poor weather conditions, while silage bales will maintain their shape for improved stacking and easier handling.



Durable MRT profile belts with heavy duty MATO lacings. Fully adjustable hydraulic density control (Optional proportional electric control).



Standard fit hydraulic pick-up lift for reduced downtime between jobs and added in field convenience.

SUPERIOR INTA



KUBOTA BV5160

*Kubota BV5160
with 86" pick-up
and roller wind
guard.*



Multi crop capability

The defining feature of BV5160 baler is the ability to produce bales of unrivaled quality in all crop conditions. Output and performance are unmatched, while smart 'Intelligent Density' allows bales to be tailored to perfectly match all requirements. Bale Diameter 4-ft wide and up to 5-ft Tall (47" x 24" – 65").

High performance intake system

On Kubota's BV5160, the load on the tine bars is minimized by using two intermediate supports and two separate cam tracks located at either end of the pick-up. Slip clutch protection comes as standard. A roller wind guard is fitted on rotor intake models which pre-compresses the crop, further boosting intake performance.

Parallelogram DropFloor system for easy unblocking

The BV5160 comes equipped with the new Kubota Parallelogram drop floor system, which brings faster and easier clearing of blockages from the comfort of the tractor cab. This patented system not only lowers the rear edge of the drop floor as per traditional systems, but also provides additional space under the front section of the floor, where a blockage is more likely to occur.

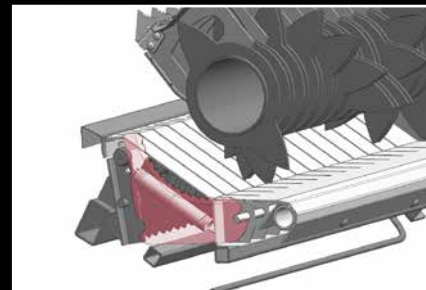
KE CAPACITY



SuperCut-14.

SuperCut-14

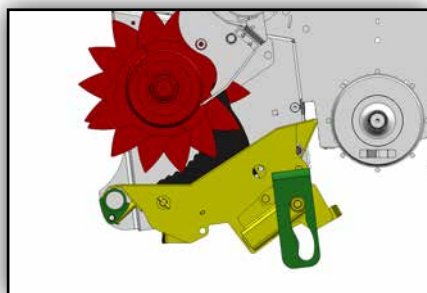
The SuperCut-14 knife chopping system provides a fast and efficient crop flow into the baler. With a chop length of 2.75 in. it is the ideal solution for producing tight, dense bales. Improved fermentation and easier feeding of bales are just two of the benefits pre-chopping can provide. Each individual knife is spring protected against foreign obstacles. The knife automatically returns to its work position once the obstacle has passed.



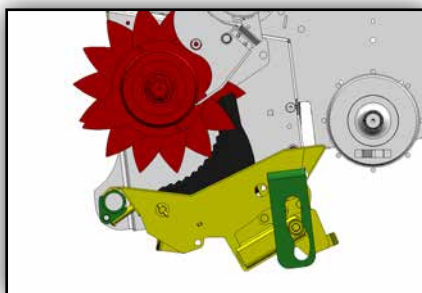
SuperCut-14 offers individual spring protection of the knives.

Dual Action Knife Protection

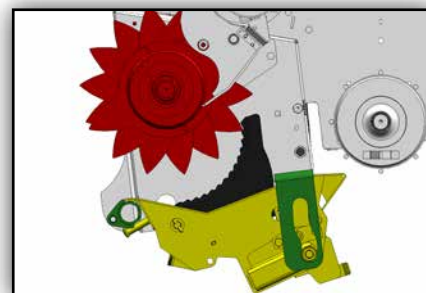
Each knife is individually spring protected and can move in two directions. If a smaller obstacle hits the knife, it will pivot backwards without losing cutting quality. If a larger obstacle hits the knives they can pivot downwards into a safe position. The knife will automatically return to working position once the obstacle has passed.



DropFloor in working position.



DropFloor in mid position.



DropFloor in fully lowered position.

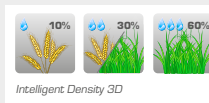
Easier removal of intake blockages = More productive time spent baling

INTELLIGENT DENS

KUBOTA BV5160



Intelligent Density 3D with 3 pre-selected bale density settings making it very easy to choose the correct bale density in different crops



Baling dry straw and want the heaviest bales possible? Maximum pressure is set in every zone.



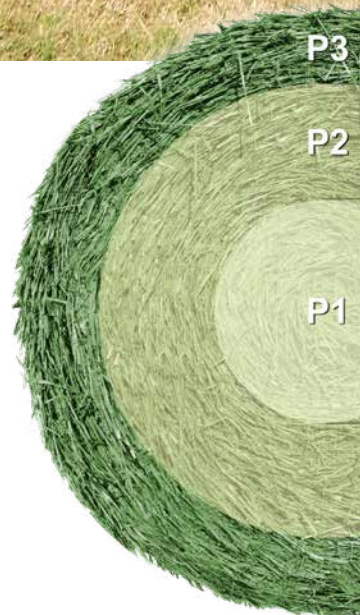
Baling hay? Soft center core to let the bale breathe is set, with gradually increasing pressure towards the outer layer.



Baling wet silage? Pressure is reduced in the center and mid zones.

Pre-selection of bale density for each zone of the bale: core, mid and edge.* Diameter (D) and pressure (P) can be adjusted in three stages using the control terminal.*

*Requires proportional valve, which is standard on the BV5160 and optional on the BV4000 series.



ITY - TIGHT BALES

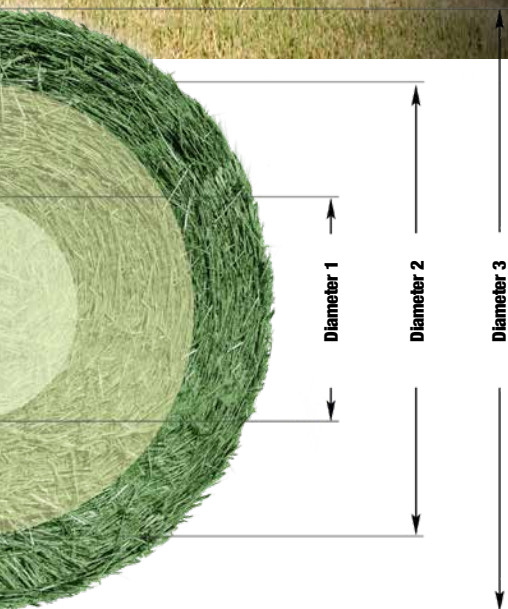
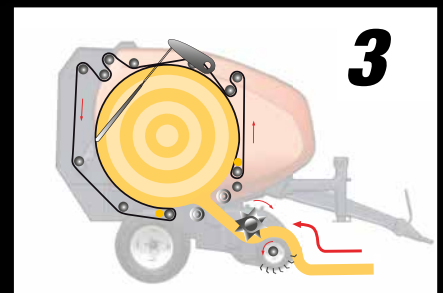
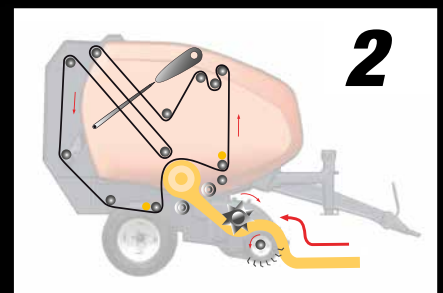
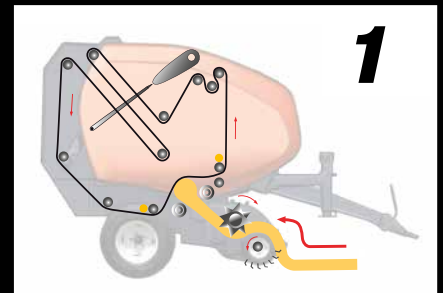
HOW THE BALING CHAMBER WORKS

The Intelligent Density bale chamber offers a combination of three rollers and five endless belts, offering smooth bale rotation and reduced crop loss, even in dry conditions.

The two aggressive front rollers that come in contact with the crop are constantly cleaned by a scraper and are designed to perform well in silage. They ensure instant and efficient bale start with immediate bale formation in all crop conditions.

As the bale grows, the belt tensioning arm is subjected to steadily increasing resistance from two hydraulic cylinders and two spring tensioners. As the bale diameter grows, so does the bale's density.

The result is a higher density bale with a smaller and denser core. Straw bales will be more tolerant to poor weather conditions, while silage bales will maintain their shape for improved stacking and easier handling.



The Kubota BV5160 model is fitted with 5 durable endless belts without joiners, offering smooth running and low maintenance.



The two front rollers with self-cleaning scrapers are designed to work well in silage and provide instant bale formation.

FAST AND EFFICIENT TW



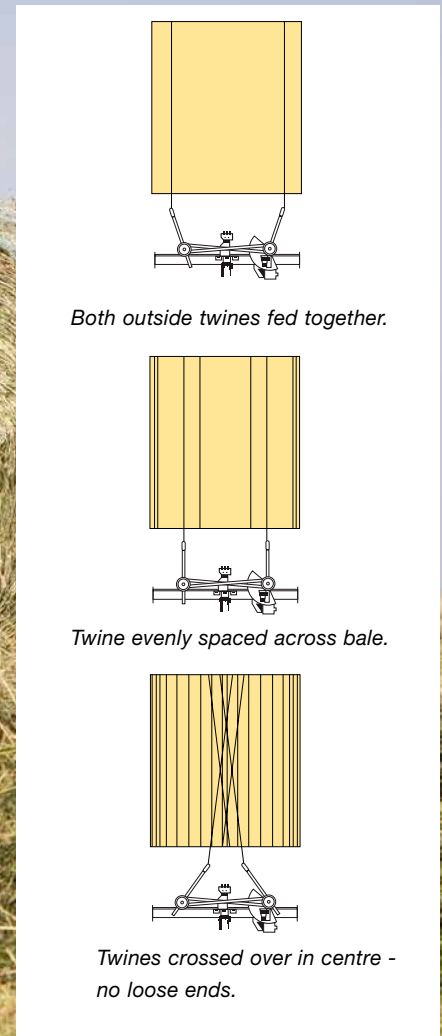
Twine Box.

Great Looking Bales - Time after Time

You're sure to leave a field of great looking bales every time you finish a job. Kubota's front mounted net and twine systems ensure neat and tidy looking bales that are tightly wrapped. This ensures perfect storage and easy handling of the bales.



Twin tube fast operating twine binding system.



Twine Tying

Automatic twine tying with the fast acting double tube system means simultaneous binding of both edges of the bale, reducing binding time to a minimum. Over crossing of twines in the centre of the bale provides no loose ends at the end of the binding cycle. The system is fully user programmable to make sure you make the best looking bales in all crop conditions.

INE AND NET WRAPPING



PowerBind Net Wrap

Kubota BV series balers are equipped with the patented PowerBind net wrap system. The system has been simplified in a number of ways compared with traditional systems, with feed rollers having been completely eliminated. Additionally PowerBind provides one of the fastest net wrap actions available. This means minimum downtime and maximum time baling.

The net is fed directly into the bale chamber by an injection arm in a flat movement angle keeping the net tight at all times and providing accurate and extremely reliable net injection.

The net is continuously retained by the injection arm. When the bale is 90% complete the injection arm moves forward, ready for the net injection. This adds to reliability and productivity as no time is spent picking up the net. In fact Kubota PowerBind is one of the fastest net wrapping solutions available today, adding more uptime. In addition PowerBind offers very low loading height, for maximum convenience and time saving. To replace the empty roll just swing out the shaft and replace it with a new roll.

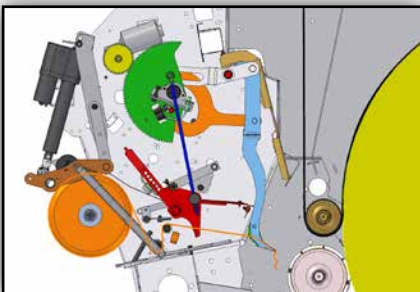
The very low loading height and the very easy threading of the system mean minimum downtime and maximum time baling.



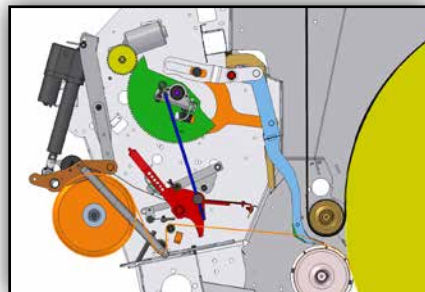
Convenient easy access storage for net and twine for long working days. Single roll capacity on BV4580 series.



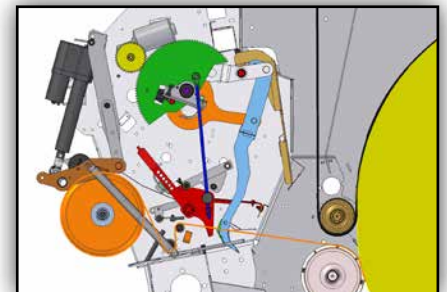
The PowerBind net wrap system allows the net to extend past the edge of the bale.



When the bale is 90% complete the injection arm moves forward ready for the net injection.

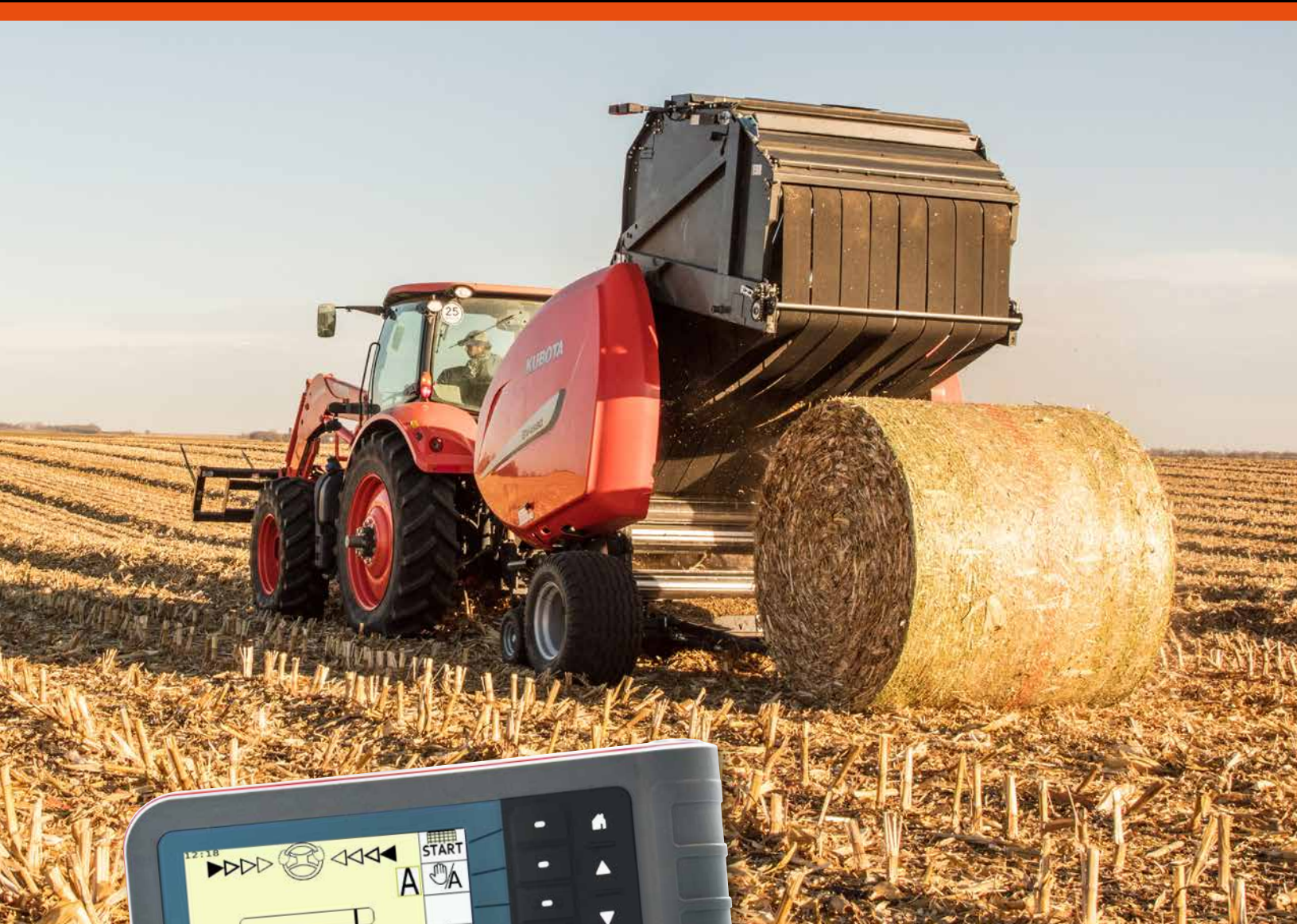


When the bale is finished the injection arm instantly places the net into the bale chamber. Once net is injected, the brake moves down on to the net roll to tension the net.



During the wrapping phase the feeder arm moves back to its' waiting position. Once the bale is wrapped the knife is activated, cutting the net.

EVERYTHING UN



Focus 3.

Focus 3

BV4160, BV4180 and BV4580 models are equipped with the new Focus 3 terminal, which has been designed for easy operation. The color display shows baling information at a glance. All baler settings and functions are easily accessed by 'softkeys' putting you in full control from the tractor cab.

DER CONTROL

ISOBUS COMPATIBILITY

The top of the range BV5160 model is delivered as standard fully ISOBUS compatible and comes equipped with the Tellus GO terminal.

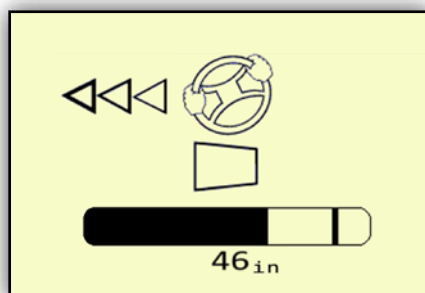
Tellus GO features an upgraded 7" color touch screen, allowing easy machine set-up and control. While additional hard keys and a rotary controller allow direct access to all main baler functions while driving.

ISOBUS Compatibility can also be specified as an option on BV4160 Premium, BV4180 Premium and BV4580 models. When so equipped the baler can be plugged directly into any M7 Premium series Kubota tractor. No need for any other terminal or power supply – simply 'plug-and-play'. Baler information and controls are displayed on the tractors own Kubota Pro terminal.



The following functions are operated with the Focus 3 control terminal:

- Bale diameter adjustment
- Current bale diameter
- Left & Right driving indicators
- Twine or net tying selection
- Twine and net tying adjustment
- Tying information during cycle
- Manual or automatic tying mode selection
- Bale counter
- Density adjustment (when optional proportional valve fitted)



Driving indication with steering direction for perfect bale formation. In addition, on the BV4580 model the bale shape is also shown.

THREE-POINT MOUNTED

KUBOTA WR1100



Pick-up the bale ...



...and wrap it while carting already wrapped bales to the storage site.



Drop the wrapped bale - all controlled via the remote control.

TURNTABLE WRAPPER

REMOTE CONTROL (OPTIONAL) FOR EASY HANDLING

The entire wrapping process of the Kubota WR1100 can be controlled remotely from the loading tractor. One operator does the entire process of loading, wrapping and stacking.

- Place the bale on the wrapper, press one key on the remote control, and the wrapping process starts.
- The previously wrapped bale is stacked and the next one picked up while the machine continues wrapping.
- Press the play key again and the wrapped bale is tipped off and the table rotated 90° ready to receive the next bale.



Wrapping at Storage Site

Kubota WR1100 series are three point mounted wrappers with a simple but very reliable way of wrapping silage bales. The Kubota WR1100 is ideal for 'wrap and stack' operations. When the bale is being transported to the storage site for wrapping, this three point mounted version is the ideal solution. It can be mounted on the rear or front hydraulics of the tractor or used as a static machine with an external power pack unit.

Easy Operation

Once the wrapping process is activated the whole operation runs automatically. You only need to push the button again to unload the wrapped bale. An optional automatic stop ensures that the bale is properly wrapped.

The Kubota WR1100 is operated via computer controls with an integrated bale counter. Also, the optional remote control is making it the ideal solution for static use.



Computer control.

TRAILED TURNTABLE

KUBOTA WR1400



Effective, Easy to Operate Wrapper

The Kubota WR1400 is a pull-type wrapper designed for smaller tractors. The machine is very easy to operate. A fully automatic film cutter comes standard on all models.

Clever Design for Maximum Weight Transfer

To allow for increased stability during bale loading, an extendable wheel arm was incorporated into the frame design. This allows bales up to 2650lbs (1200kg) to be loaded without any counter weights on the machine.

Gentle Unloading

Wide spaced wheels allow for an exceptionally low turntable height. This design allows the table to be tilted downwards until it nearly touches the ground, reducing drop height when unloading bales. This provides the gentlest possible handling of wrapped bales. It reduces the chance of film damage and eliminates the need for a fall damper or drop mat.

BLE WRAPPER



Mechanical Cable Control (M) – The manual version (M) is operated via flexible cable controlled levers. A wrap and bale counter comes standard to allow for optimal control of film layers, as well as the number of bales wrapped. An automatic table stop is also controlled by this bale and wrap counter.



Joystick Control (J) – The semi-automatic joystick gives proportional control of all functions for silky smooth operation. Once wrapping has commenced the joystick can be released for hands free operation until the correct number of wraps have been applied, at which point the table automatically stops rotating.



Hydraulically operated loading arm with a low loading height provides fast transfer of bale from arm to turntable.



The Kubota WR1400 can be fitted with a bale on end kit. The bale is tipped off gently without damaging the bale.

The Turntable principle

Two large diameter rollers, both of which are driven, ensure consistent bale rotation even in the most difficult of conditions. Four endless belts carry and rotate the bale evenly during wrapping. The two large diameter side support rollers ensure that the bale is kept in a central position on the rotating table during the wrapping operation.



Low design of the machine ensures fast and gentle unloading of the bale with no need for an extra fall damper.



Turntable with two driven rollers designed for high bale stability and smooth even rotation.

SPECIFI

Kubota Baler Models	BV4160 ECONO	BV4160	BV4160 Silage Special	BV4180	BV4180 Silage Special
Weight and Dimensions					
Length (in)	176"	176"	176"	176"	176"
Width (in)	99"	99"	99"	99"	99"
Height (in)	106"	106"	106"	112"	112"
Weight (lbs)	5842	5842	5842	5952	5952
Bale chamber					
Diameter Min (in)	31"	31"	31"	31"	31"
Diameter Max (in)	65"	65"	65"	71"	71"
Bale Width(in)	47"	47"	47"	47"	47"
Bale Formation	5 Belts + 3 Roll.	5 Belts + 3 Roll.	5 Belts + 3 Roll.	5 Belts + 3 Roll.	5 Belts + 3 Roll.
Belt Width (in)	-	8"	8"	8"	8"
Endless Belts	-	-	-	-	-
Rotating Silage scrapers x 2	0	0	•	0	•
Greasable roller bearings (cen.)	-	-	-	-	-
Bale Ramp	•	•	•	•	•
Pick-up					
Working Width (in)	67"	79"	79"	79"	79"
Number of Tine Rows	4	4	4	4	4
Tine Spacing (in)	2.36"	2.36"	2.36"	2.36"	2.36"
Windguard	Crop Deflector	Crop Deflector	Crop Deflector	Crop Deflector	Crop Deflector
Roller Crop Press	-	-	-	-	-
Pneumatic Gauge wheels	•	•	•	•	•
Intake System					
Fork Feeder	•	•	•	•	•
Protection, cam clutch	•	•	•	•	•
SuperCut-14 Knives	-	-	-	-	-
Single Knife Protection	-	-	-	-	-
Drop floor unblocking system	-	-	-	-	-
Driveline					
1" Main drive chain	•	•	•	•	•
1 1/4" Main drive chain	-	-	-	-	-
Wide angle PTO Shaft	•	•	•	•	•
Shear Bolt Protection	•	-	-	-	-
Cam Clutch Protection	-	•	•	•	•
Binding (PowerBind)					
Net only variant	-	3 rolls	3 rolls	3 rolls	3 rolls
Twine only variant	4 balls	-	-	-	-
Net & Twine variant	-	8 balls + 3 rolls	8 balls + 3 rolls	8 balls + 3 rolls	8 balls + 3 rolls
Operations					
Focus 3 Terminal (non Isobus versions only)	•	•	•	•	•
Isobus compatibility	-	0	0	0	0
IsoMatch Tellus Go (only with Isobus option)	-	0	0	0	0
IsoMatch Tellus (only with Isobus option)	-	0	0	0	0
Driving direction indication	-	•	•	•	•
Driving direction indication with shape	-	-	-	-	-
Manual density control valve	•	•	•	•	•
Electronic proportional density valve	0	0	0	0	0
Hydraulic Outlets	1SA + 1DA	1SA + 1DA	1SA + 1DA	1SA + 1DA	1SA + 1DA
Wheels and Axles					
11Lx15-12 Ply	•	-	-	-	-
31x13.5x15	-	•	•	•	•
19.0/45-17	-	0	0	0	0
14L-16.1SL 8 Ply	-	0	0	0	0
16.5L-16.1SL 10 Ply	-	-	-	-	-
19L-16.1SL 10 Ply	-	-	-	-	-
Others					
PTO (rpm)	540	540	540	540	540
Min. power requirem. (hp)	55	55	55	64	64

• = standard o = optional - = not available

CATIONS

BV4580	BV5160 SC14
176"	176"
116"	99"
109"	106"
7716	7165
31"	24"
71"	65"
62"	47"
8 Belts + 3 Roll.	5 Belts + 3 Roll.
7"	8"
-	•
-	•
•	•
•	•
86"	86"
5	5
2.36"	2.36"
Roller wind G.	Roller wind G.
•	•
•	•
-	-
•	-
-	•
-	•
-	•
-	-
•	•
•	•
•	•
-	-
•	•
2 rolls	3 rolls
-	-
8 balls + 2 rolls	8 balls + 3 rolls
•	-
0	•
0	•
0	0
-	•
•	-
•	-
0	•
1SA + 1DA	1SA + 1DA + R
-	-
•	-
0	-
0	•
-	0
-	0
540	540
64	75

Kubota Wrapper Models	WR1100	WR1400
Weight and Dimensions		
Transport Length (in)	108"	170"
Transport Width (in)	63"	99"
Transport Height (in)	69"	76"
Weight (lbs)	1653	2249
Bale		
Max Bale Size (L x D) (in)	47" x 50"	47" x 50"
Max Bale Weight (lbs)	2650	2650
Wrapping Table		
Mounted Wrapper	•	-
Pull-Type Wrapper	-	•
Support Rollers/Belts (number)	2/4	2/4
Automatic Film Cutter	•	•
Max. Wrapping Speed (rpm)	30	30
Pre-stretcher		
1 pre-stretcher 750 mm	•	•
Pre-Stretcher 29.5" (750mm)	•	•
Max. wrapping speed (rpm)	30	30
Operations		
Manual Cable Control (M)	-	•
Electro Hydraulic Joystick (J)	-	•
Programmable Computer (C)	•	-
Remote Control (C)	0	-
Oil Consumption (l/min)	28	28
Wheels and Axles		
10.0/80-12	-	•
Options		
Film Roll Magazine	-	0
Adapter Kit for 20" (500mm) Film Spool	0	0
Bale And Wrap Counter	•	•
Auto-Stop at End of Wrapping Cycle	•	•
Film End/Tear Sensor (C)	0	-
Road Lights	-	0
• = standard	o = optional	- = not available

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Some of the items pictured in this brochure are optional and not standard equipment. Please consult your local Kubota dealer for warranty, safety or product information. Kubota strongly recommends of a seatbelt and ROPS (rollover protective structure) in almost all applications. ©2018 Kubota Corporation



KUBOTA TRACTOR CORPORATION

Kubota Tractor Corporation, 1000 Kubota Drive, Grapevine TX 76051
Western Division: 1175 S. Guild Ave., Lodi, CA 95240 Tel (209) 334-9910
Central Division: 14855 FAA Boulevard, Fort Worth, TX 76155 Tel (817) 571-0900
Northern Division: 6300 at One Kubota Way, Groveport, OH 43125 Tel (614) 835-1100
Southeast Division: 1025 Northbrook Parkway, Suwanee, GA 30024 Tel (770) 995-8855
Midwest Division: 30901 W. 191st Street, Edgerton KS 66021 Tel 817-571-0900

Visit our web site at: www.kubotausa.com

