

Variant

RP1201

RP1281



The new easy starting round balers from Vicon

Silage Hay Straw

Round baling has entered a new third generation with the introduction of the Vicon Variant range. The Variant combines the benefits of easy starting normally attributed to roller, fixed chamber designs with the flexibility of variable size and high density from a belt type baler. Add to that the fast, automatic twine wrapping of the Variant and you have a baler which performs equally well on silage, hay and straw. The most versatile round balers available.

- Uniform high density bales
- Bale size variable 0.6-1.8 m diameter
- Fast twine wrapping.



Variant RP1201 & RP1281

Immediate starting and fast baling

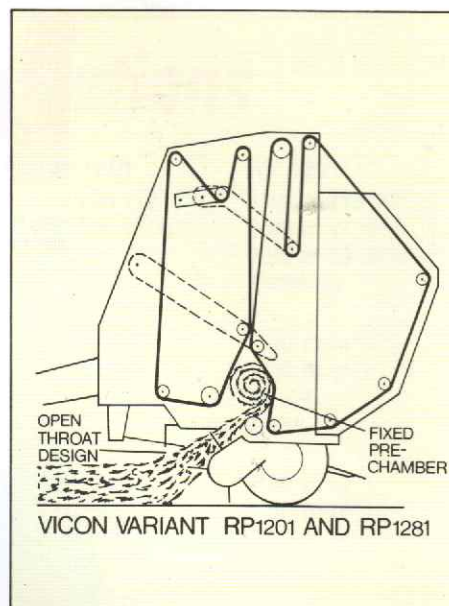
It's the easy starting which sets the Variant out from the crowd. On silage, on hay, on straw, every time. And with a high working speed and uniform hydraulically adjusted density the Variant provides the increased output and infield productivity both farmers and contractors require.

Two separate sets of belts driven at high speed are the key to the Variant's remarkable starting and density capabilities. An adjustable hydraulic density control system ensures the production of tight bales ideal for handling and storage, keeping their shape throughout the winter.

The two models provide a choice of bale dimensions, each machine being capable of producing bales at exactly the right diameter to suit your handling, bagging or transport and storage requirements:

RP1201 : Bales 1.2m wide
0.6m (2') to 1.3m (4'3") diameter

RP1281 : Bales 1.2m wide
0.6m (2') to 1.8m (6') diameter



Double belt system creates fixed volume pre-chamber for an instant start.

Double set of belts

From core to periphery: Just one wrap **The key:** Immediate rolling from the moment material enters the baler.

The concept: A double set of 160mm (6") wide positively driven belts plus a lower driving roller.

The rolling of the bale at a constant density from core to periphery is instigated in the pre-chamber and continues throughout. **Just as you would roll up a carpet, in one go, until it reaches the pre-set diameter.**

A multi position limit switch with a visual indication on the baler showing precise bale size over 0.6m keeps you informed on the size of the growing bale and automatically starts the twine wrapping at the correct size. An override switch allows you to manually start wrapping at any smaller diameter than the pre-set maximum. A safety 'oversize' protection device activates wrapping automatically at the baler's design maximum diameter. Indicator lights on the control panel inform you as wrapping commences.

You won't have to pay attention to bale formation, just keep a check on even loading from time to time. A special evenness indicator on the Variant makes this check easier.

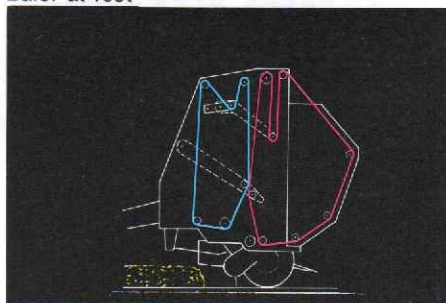
Output and speed

High working speed (limited only by the ground conditions), easily adjustable density up to the highest density bales ever created by round balers, accurate rolling and fast wrapping adds up to **more time saving and greater output in the field and in handling, transport and distribution.** The Variant produces **fewer bales per acre** by putting more material into each bale.

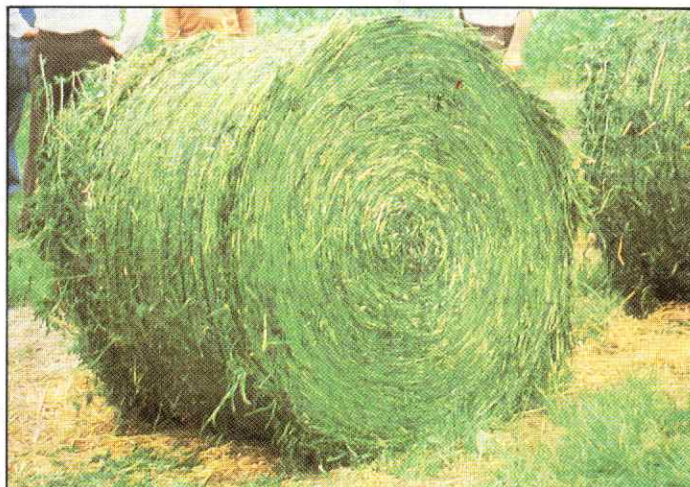
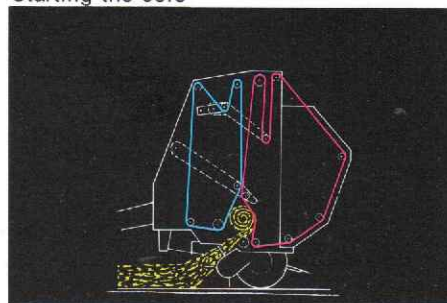
This versatility with every crop preserves the most quality, even in the worst conditions thanks to:

- A small diameter pick-up drum for better raking and feeding into the chamber.
- The fixed volume pre-chamber for an instant start.
- Two sets of belts driven symmetrically at the same speed and under constant tension whether the machine is empty or under load.

Baler at rest



Starting the core



Well rolled dense bales

Uniform hydraulic high density

With the bale rolling from the core uniform density is achieved with real advantages when it comes to handling the bales, particularly after storing silage bales. The belts are tensioned by a combination of spring and hydraulic pressure working through two tensioning arms on each side. You may set the pressure for the density you require on a simple valve, a gauge indicates the pressure.

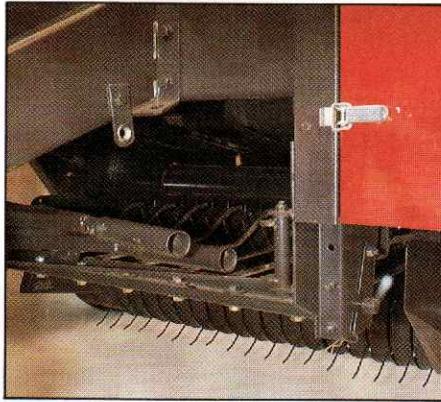
- You always have constant control of the bale diameter.
- The finished bale is wrapped with economic sisal or polypropylene twine.
- Bale discharges without backing up, two discharge ramps ensure the bale clears the tailgate for faster resumption of work.

Compact and well formed bales

Variant produced bales protect themselves by their very density. They may be safely stacked outside or stored inside and will rest safely on their ends or diameters.

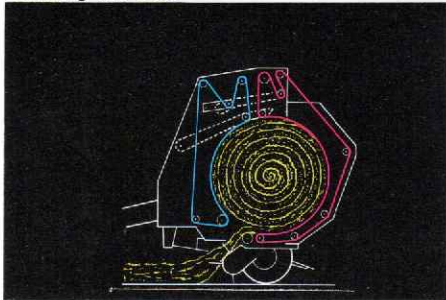
Automatic fast twine wrapping

Every bale turns out the same. The automatic twine wrapping system ensures that the cycle starts at the same diameter each time. And the Variant uses **two electronically controlled twine tubes** which cross one another at the start of wrapping to hold the twine firm. What's more the cycle is extremely fast saving 50% on wrapping time affecting workrate by some 20% overall! Two twine wrapping speeds may be selected 20 or 30 seconds depending on the size of bale being produced.

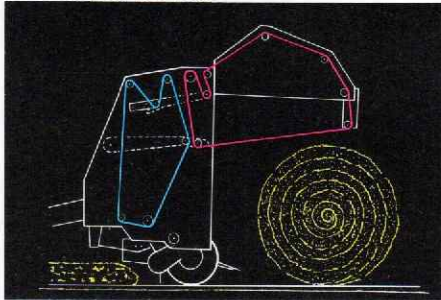


Two electric twine arms

Forming the bale



Discharging the bale



Field proven design

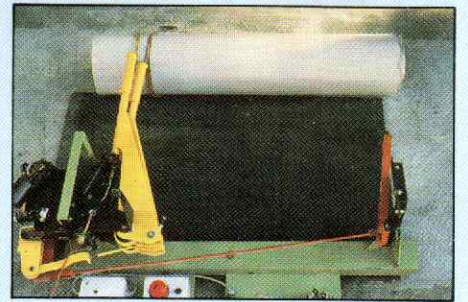
An oil bath gearbox protected by a slip clutch transmits the tractor power to the baler. Heavy duty chains link the various driven components.

The 1.4m wide pickup has a cam at each end to ensure tine bar rigidity and clean raking. Floating in front of the wheel axle suspended by springs, it closely follows the ground contours. Additional width can be gained with an optional flexible fingerwheel kit. The pickup is positively driven by chain with slip clutch protection.

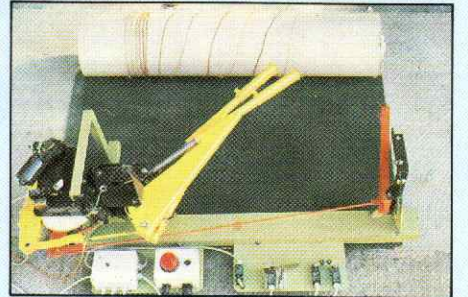
An hydraulic system connected to a double acting circuit on the tractor controls the opening and closing of the tailgate as well as belt tensioning. On the control box, a warning light connected to the tailgate lock switches advises the operator of the tailgate lock positions. Everything possible has been done to make the Variant a **simple to operate baler** almost guaranteeing a high quality result with even inexperienced operators.



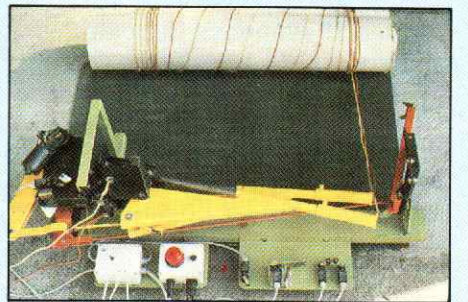
Hydraulic rams coupled to two tensioning arms



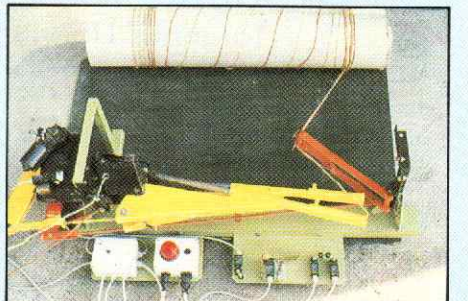
Twine arms activated and cross at start of wrap



Within a few seconds traverse the bale



Completed wrapping cycle in 20 or 30 seconds



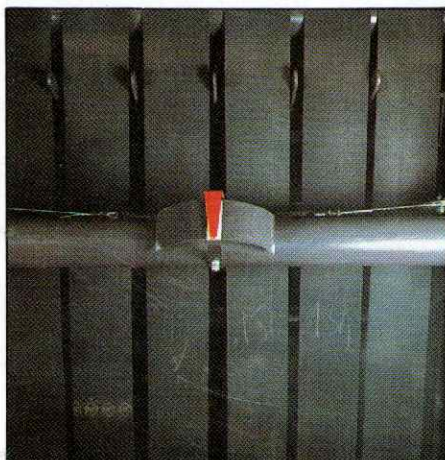
Twine cut automatically and arms return.

Ten ball twine capacity

Two twine compartments holding five spools of twine each provide a day's baling capacity.



Two huge twine compartments



Evenness indicator caters for poor windrows

A special evenness indicator assists you to load the bale chamber evenly across the whole width of the bale. Even on uneven swaths and light crops it is possible to avoid conical bales, compensating by driving more to one side of the swath or another as necessary.

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Technical specifications

	RP 1201	RP 1281
Length	3.85 m (12' 7")	4.12 m (13' 6")
Width	2.29 m (7' 6")	2.29 m (7' 6")
Height	2.42 m (8')	2.82 m (9' 3")
Weight	1,680 kg	1,925 kg
PICK-UP:		
Operating width	1.40 m (4' 7")	1.40 m (4' 7")
Width between flares	1.20 m (4')	1.20 m (4')
Number of tines	18 x 4	18 x 4
	2 guiding cams	
BALE DIMENSIONS:		
Min. diameter	0.60 m (2')	0.60 m (2')
Max. diameter	1.30 m (4' 3")	1.80 m (6')
Width	1.20 m (4')	1.20 m (4')
BELTS:		
	6 Front and 6 Rear	
TYRES:		
	10.00/75 x 15.3	11.5/80 x 15.3
PTO:		
	510 RPM	540 RPM
POWER REQUIREMENTS:		
	55 HP	55 HP
SAFETY DEVICES:		
— slip clutch on drive shaft	yes	yes
— slip clutch on pick-up	yes	yes
— gate locks on both sides with double set of signal lamps	yes	yes
— adjustable flow control valve for the rear gate lock	yes	yes
— max. bale diameter switch	yes	yes
STANDARD EQUIPMENT		
Electric binder (two arms) — Triangle reflectors — Ring hitch — Hydraulic density system — Diameter indicators, one on front of the baler and one on binding control box — Discharge ramps — Over diameter safety device — Bale counter — Bale loading evenness indicator.		
OPTIONAL EQUIPMENT:		
— Adjustable swivelling ring hitch or clevis — Rear lights		
— Hydraulic pick-up lift — Gauge wheel		
— 2 flexible fingerwheels to gather the widest windrow — short hay reel		
This documentation is not binding. VICON reserves the right to modify machine specification at any time without notice.		



Bringing technology down to earth.