

AGRONIC

1302RR and ACC Pulse



**Best warranty!!
Bale chamber bearing warranty
5 years or 50 000 bales.**

AGRONIC 1302RR, Finland's best selling integrated baler wrapper - now improved.



The **AGRONIC 1302RR** did not get its second R for nothing. For 2009 season the crop pick up, the rotor floor and the electronics have been improved. This leads to increased output and improved reliability. The density of the bale has been an example and benchmark for others, and will be in the future. The set up of wrap film is easier than before, and the new film cutters work more efficiently than before even on lower grades of film. **PDH 10 additive pump can be controlled with baler controls.**



Agronic is also an excellent baler for hay and straw. Adjust wrapping speed to zero and the wrapper table can be used to transport bales to the location of your choice. **The ACC model can** move longer parts of forage to the surface, improving handling durability of the bales.

The work flow is smooth and reliable. Bales can be dropped at choice during baling. After baling the bale chamber opens, the bale is moved to the table and baler closes. This in 2 seconds after baling has completed. You can start baling the next bale immediately. Wrapping is performed automatically in the background.

**Designed for the demanding environment of the North.
Weight only 4300 kg. High ground clearance and high capacity radial tires.**

AGRONIC ACC Pulse, more efficient round baling and the tightest bales on the market.

A new generation of integrated baler wrapper. Full of new features to improve the use and the quality of forage.

ACC, Active Chamber Control

ACC ensures the densest possible bales; the density and diameter of the bale can be changed during baling.

Pressure is constantly monitored during baling and if pressure drops for any reason, the system restores it automatically.

The reason for pressure drop can be driving on headland, a lump that raises the pressure temporarily or even a small leak in the hydraulics.

If the PTO rpm drops to low, the ACC protects the transmission by temporarily lowering the baling pressure, and alerts the operator by sound and a signal on the control panel.

Automatic cutter blade control

Lowers the blades automatically before baling, if desired. This makes for less shedding and also improves straw baling. This also makes the bales endure handling better.

1000 RPM PTO

Makes possible the production of extremely tight bales without overloading the transmission on the tractor.

Hydraulically activated pick up and rotor reverse

The pick up and rotor can be operated in two directions, removing blockage without manual removal.



Control panel and electronics

Control is facilitated through CAN-BUS control panel.

Control panel indicates the operation status.. **The baling progress can be monitored in clear graphic bars.**

The netting and wrapping progress is displayed in bar graphics as well.

Memory slots, **50 pcs memory slots**, resettable. Memory slots can conveniently be used as base for billing, memory slots contain: name, work hours, number of bales, amount of additives, amount of netting, created date, last baling date.

CAN-BUS system

Has been in use since 2001 in the 1302-baler. Very reliable, simple cabling. As an example, one thin 4-wire cable is all that is needed for the control panel.

Makes troubleshooting easy through a simple diagnostic menu.

As new features are developed for the machines, upgrading is easy and affordable even after many years.

Extensive standard equipment:

Net wrapping, with actual net consumption based control system.

Automatic cutter blade control, when you want longer forage on the surface of the bale.

Automatic bale chamber pressure control
Double wrap and film automation.

Radial tires and asymmetric bogie.
Automatic chain lubrication, with precision metering valves for each lubrication point.
Side tipper

Automatic additive system, with dosage control.

Servo hydraulics, optimises the speed of operations.

Daily maintenance points easily accessible

Only two access panels. The panels cover all maintenance points and film storage racks.

Automatic central lubrication system lubricates main transmission and roller bearings.

The automatic chain lubrication system is equipped with precision metering valves, so all chains receive the right amount of oil at all times.

Pick-up equipped with automatic overload protection.



Details to ensure performance



Adjustment-free film pre-stretchers, pre-stretch 70%. Able to use 750 and 500 mm wrap.
Film cutter pushes wrap between layers from the top.
Film narrows down to about 5 cm distance, this increases reliability at the start of wrapping.
Operation is 100% reliable under all circumstances.

ACC



**Very dense and immediately wrapped bales:
First class quality of forage.**



1302RR

**Clear and open build,
minimal need of cleaning.**



1302RR

Standard equipment is tandem wheels. The bogie is asymmetric, leading wheel is slightly unloaded.
Tubeless 500/50R17 Nokian ELS radial tires.

Low surface pressure, low rolling resistance and excellent durability.
ACC model is available with optional 560/45R22,5 Nokian Country King radial tires.



1302RR

Unhindered view of pick-up and netting.

Pick-up has 80 pcs double tines, placed on 5 axes. This pick-up does not restrict baling power.

Automatic overload protection as standard, ACC model equipped with a crop press roller.

**This pick-up does not
restrict baling speed.**



1302R



ACC

The covers of the bale chamber are easy to open for service and cleaning. The daily maintenance need is low, as the chain and roller lubrication is performed by an automatic central lubrication system. Oil for the chains and grease for the roller bearings.

The lubrication is delivered where it is needed as each lubrication point has its own metering valve. The slide bearings in the wrapper section have large bearing surfaces and grease nozzles. The bearings have exchangeable bronze bushings or spherical bearings.



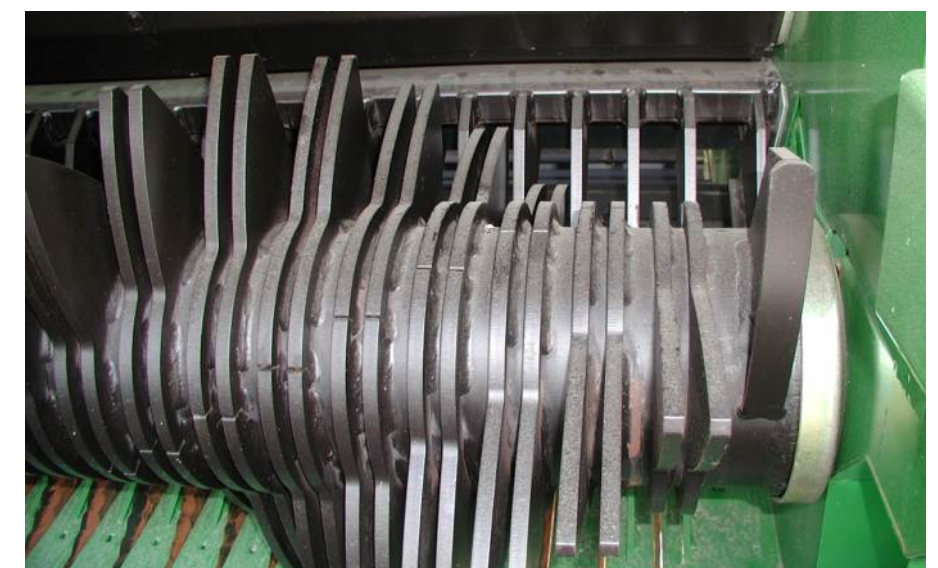
Bale chamber roller slide bearing

The cutter has 20 blades, blade spacing is about 50 mm. The blades are independently sprung.

The rotor is made of 10 mm Hardox wear plate, so the fingers endure without twisting.

The rotor drive gears and bearings are within the automatic lubrication system.

**Roller slide bearing warranty
5 years or 50000 bales**





AGRONIC *ACC Pulse*, You may wrap wide film instead of net.

Orkel MP 2000 baler has had filmnetting since 2003. Now after thorough testing we introduce it on the ACC-Pulse baler as well. The device is available as an option. The netter can use film netting in 120-160 cm width, and also normal net wrap. The settings of the machine are changed at the control panel based on which kind of netting is used.



The film netting device of the ACC Pulse baler works well under the most demanding of circumstances.

The film would not be able to wrap the bale in its full width, but as it is fed as a rope it does not tear, nor tangle to the rollers etc.

The film netting makes an air tight layer on the surface of the bale further improving the quality of forage.

At the feeding stage the film is easy to remove from the bale, it releases with the wrapping film.

Neither does the film cling to the bales surface when freezing. This is the reason why Vapo Oy has used film for years to wrap absorbent peat bales.

Film netting is also suitable to weather protect bales of straw.

**Less oxygen pass-through,
tight film surface of the bale,
weather protection,
easy to open for feeding.**





TECHNICAL DATA

	1302RR	ACC Pulse
Weight kg	4300	4900
Width cm	300	275-300
Height cm	225	295
Length cm	590	633
Tyre size	500/50R17 tandem	
Twin pre-stretcher wrapper	2x750 mm 70%	
Film monitor	Standard	
Side tipper (to left side)	Standard	
Road lights	Standard	
Mud guards	Standard	
Roll storage racks	4 pcs	6 pcs
Netting	Standard	
Spare nett roller	1 pc	
Nett width	120-130 cm	
Central lubrication	Automatic	
Chain lubrication	Automatic	
Cutter blades	20 pcs	
Pick-up	2,1 m	2,2 m
Rollers	18 pcs	
Bale chamber	122 cm width	
True size of bale*	122x125-132	122x 125-140
Bale chamber lock	Mechanical	Hydraulic ACC
Power requirement kW	70	80

Optional equipment:

Extra roll storage racks, additive tank holder, additive spreader, additive membrane pump, working lights, load sensing hydraulics (LS), brakes. ACC 560/45R22,5 bogie, HiT film netting.

* Maximum size of bale is influenced by the material and the moisture ratio of the material.



PDH 10 additive dosage membrane pump

Additive dosage pump is self-adjusting, containing an accurate flow meter, based on which the electronics adjust the output. Alerts on tank empty, suction hose air leaks, nozzles too small or blocked. Viscosity or pump head does not affect additive dosage.

The additive dosage is controlled from the baler control panel.

Tracks additive dosage / memory slot and /bale.

Dosage in l/min, l/bale.

Dosage stops automatically when: PTO stops, pick-up lifts, bale netting in progress and during move to wrapper and when bale is dropped. The operation restarts when the reason for the stop has cleared.

Baler control panel

Baler and dosage pump are controlled from one simple control panel.

Operations and the status of blades and dosage pump are clearly indicated on the panel.



Manufacturer:
AGRONIC OY
 Teollisuustie 5
 FI-86600 Haapavesi
 Finland
www.agronic.fi