



Agronic *AMS* and *AMC* Round Balers

Fixed chamber round balers, with or without wrappers, for all conditions. Large rotor diameter, with 25 selectable knives, short chop length, and producing bales that are easy to unroll and feed. Hydraulic bale chamber locking, high-strength rollers, and pressure monitoring, ensuring high density bales. An Optional factory- installed PDH additive system.





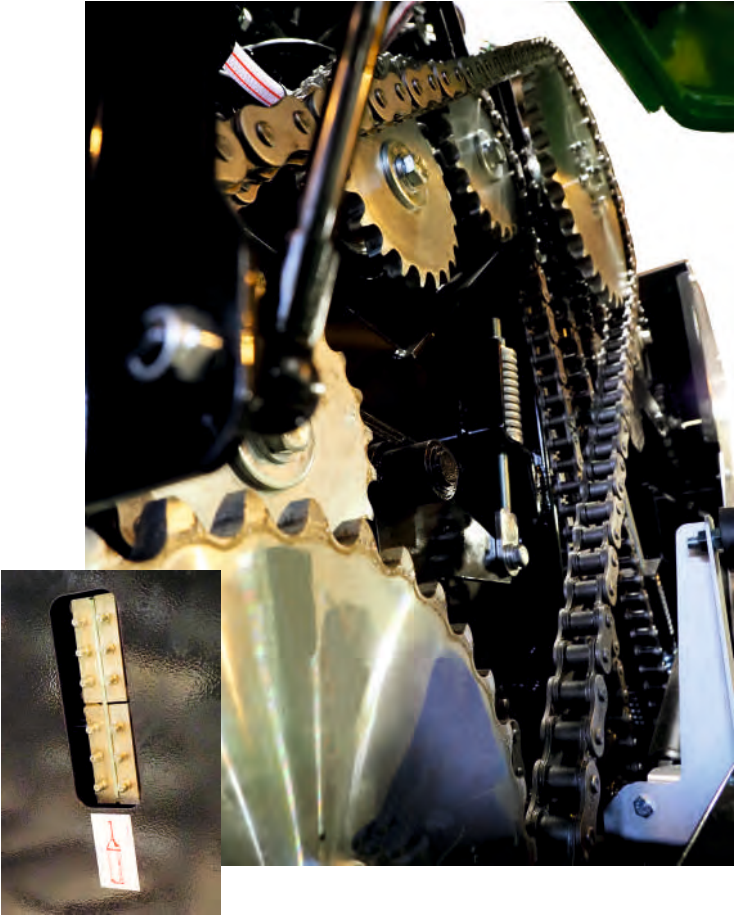
Powerful pick-up with a working width of 210-cm (6' 8"), 4 tine bars, and 112 double tines. Overload protection and swath roller are standard.



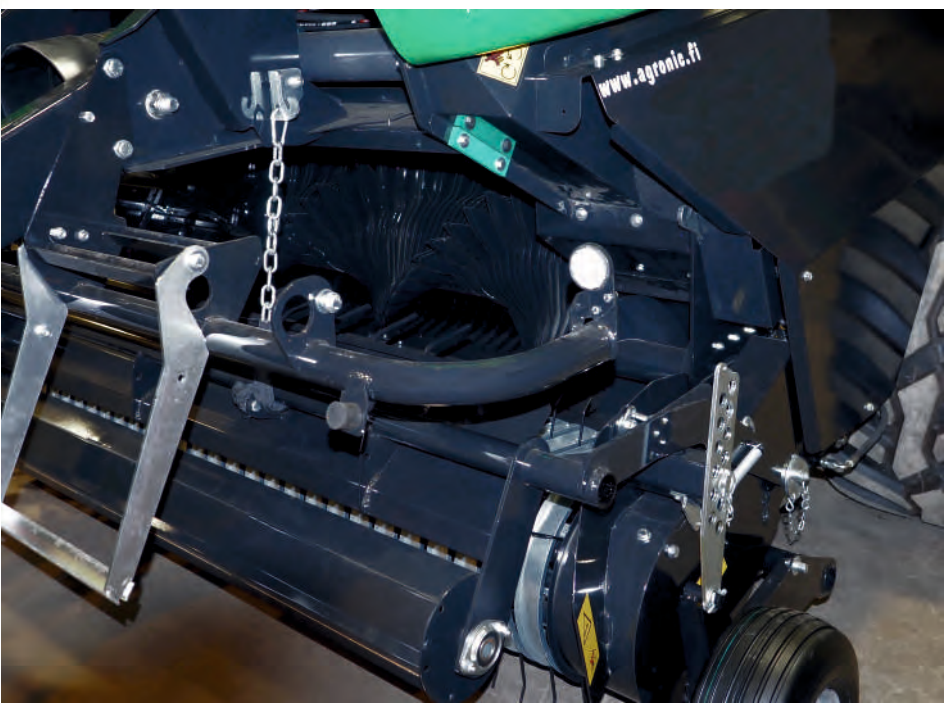
The knife cassette can be lowered electro-hydraulically in the event of a blockage to allow for easy clean-out. Suspended pick-up for optimal ground-contour following. Automatic overload protection.



Wide-angle PTO shaft with overload clutch connected to a central gearbox, splits the power to both sides of the baler. On the left side for roller transmission, on the right side for the pick-up and the in-feed roller.



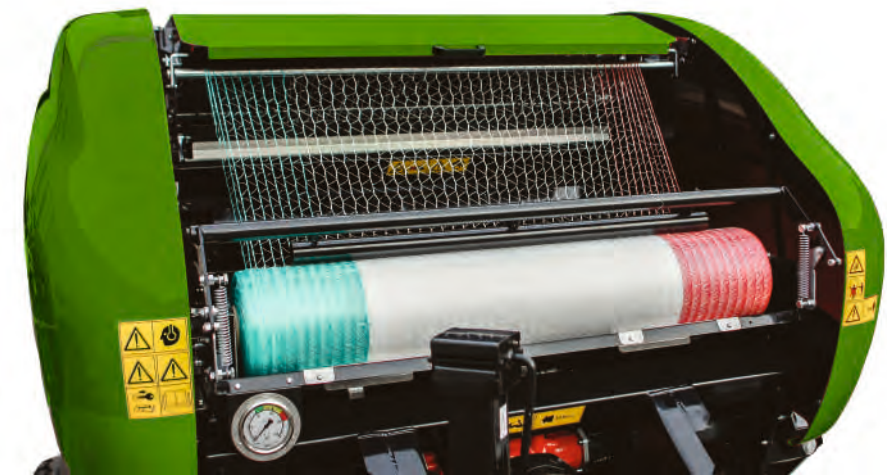
Automatic chain lubrication and centralized grease nipples. AMS, optional automatic central lubrication. AMC automatic central lubrication as standard.



25 knives and a strong rotor ensure an even and short cutting length. The number of knives selected is easily selectable.



Easy-to-use display for the Agronic AMS. The number of knives selected and raise/lower of the knife cassette. Three position bale compression adjustment. Completion of the bale is indicated by a colour display and an audible warning. Automatic or manual net binding. Bale counter, bales/hr., total number of bales, and field/customer name can be stored in memory.



Large and easily accessible compartment for the net, accommodating rolls with widths of 1230 to 1330-mm (4' and 4' 3"). Mechanical net volume indicator and mechanical brake adjustment. Reliable design, and easy-to-change the net rolls. Holder for two rolls of net and a low roll loading height.

Electro-hydraulic control for bale chamber pressure from the tractor cabin. 18 strong rollers, with traction and guide plates, ensure bale rotation in all conditions. Optimal bale pressure with lower-than-normal power requirements.





AGRONIC *AMC* Combination Baler



Agronic Oy was one of the first manufacturers of combination balers. Starting back in 2001 with the first deliveries to customers of the 1302 model. The combination baler range was later expanded to include the ACC Pulse series, as well as midi and maize baler models. The Agronic ACC Pulse series is now being superseded by the new Agronic AMC model.

With over 20 years of experience, we introduce the Agronic AMC. Incorporating the experience, we have gained in the decades of design and development of combination balers. Which is reflected with the efficiency, reliability, ease of use, and a lower power requirement (lower operating costs) of this new model.

The compact size, robust construction, large diameter tires, and an asymmetric bogie guarantee good quality work without damage to the field surface. Even in the wettest of autumn months

The design of the bale chamber, the profile of the rollers, and the precise control of the bale chamber pressure make it possible for more efficient baling of hay and straw.

The Agronic AMC is a KEY Finnish Product.



Unique features that make the bales easier to handle, feed, and improve efficiency.

Automatic crop chopping.

Material on the outer surface of the bale can be left longer. This allows for the bale to stay together after the plastic is removed, allowing for neater feeding. The length of cut is much shorter than when compared with earlier models, and the bales are much easier to feed out.

A drop floor that can be easily lowered using electro-hydraulics, allowing for easy clean-out in the event of a blockage.

Automatic wrapping using two rolls of plastic, ensuring that wrapping is done correctly, with either one or both rolls of plastic.

Solid design, with a 50% overlap while wrapping

Wrapper controls located on either side of the machine makes it easy to change the plastic rolls.

A separate support frame from the drawbar to the wrapper reduces the load on the structure of the baler. Radial tires working in combination with an asymmetric bogie, allow for a smooth ride, and flawless operation during wrapping.

Automatic chain and central lubrication with precise dosing valves for every application.

Integrated automatic preservative application system, which also includes a rate application control, doses the preservative directly into the bale chamber.

AGRONIC *AMC* and *AMS*, More Efficient Baling with A Lower Fuel Consumption!



An easy-to-read display includes baler management, preservative application control, and customer memory locations. Bale density is with stepless adjustment.

The baler uses precise and non-contact control sensors, which are used to determine the exact positions of the bale chamber, transfer and wrapping tables.

An integrated camera is standard.

Optimal bale moisture measurement and scale.

The electronic controls are developed in house by ProDevice Oy, a division of Agronic, and are housed inside the baler.

ProDevice Oy has manufactured control systems for balers and wrappers since 1995.

Software development has also been undertaken in-house by ProDevice Oy, which allows for seamless cooperation between the customer and software designers, without language barriers.

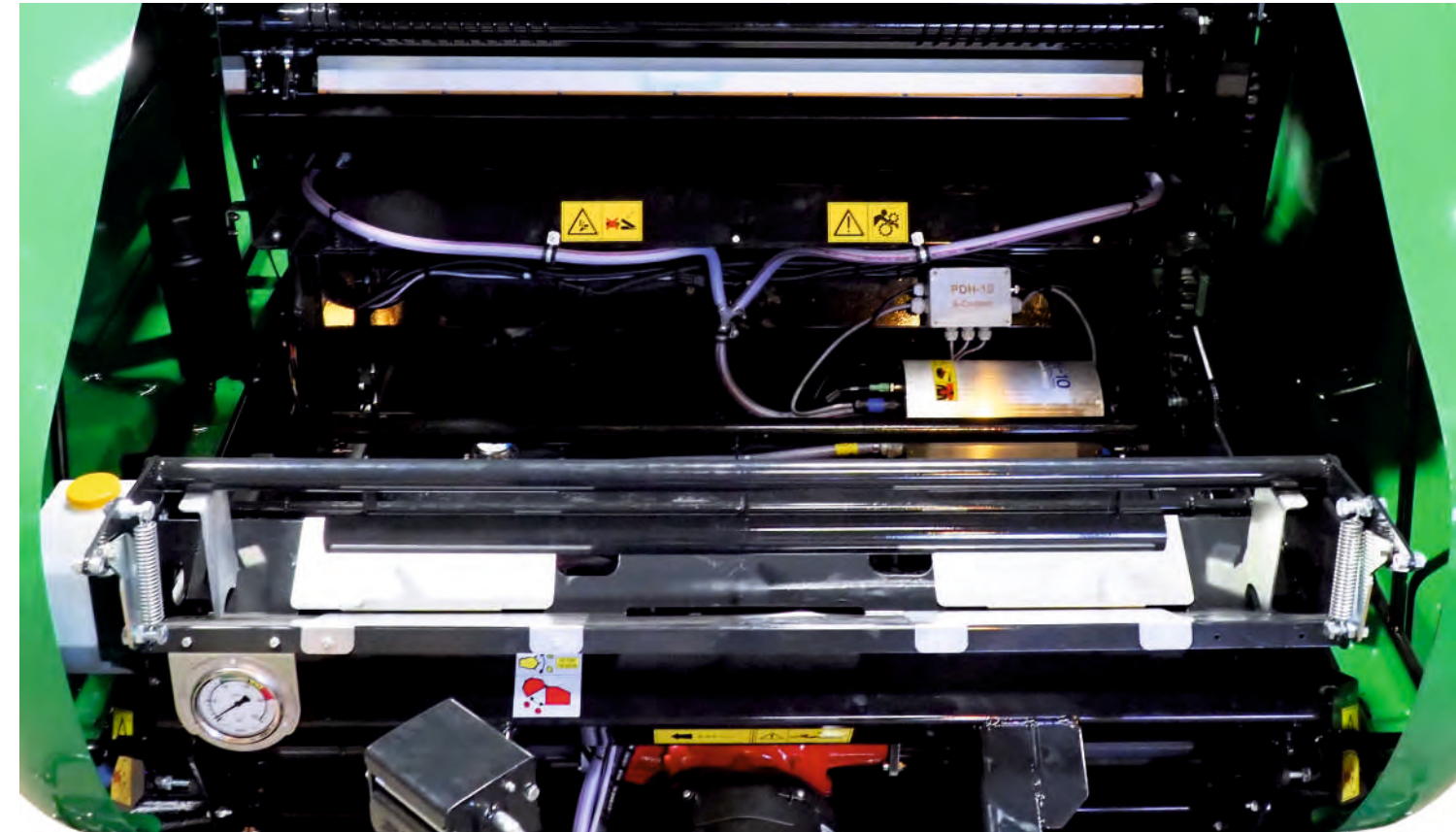


The main hydraulic valve is located at the bottom of the housing and is easily accessible if needed.

There is no need to adjust the plastic overlap, it is set to a constant 50%.

The hydraulics have proportional, soft-acting, functions for bale chamber opening/closing, as well as the wrapping. The wrapping speed can be adjusted directly from the display.

Load Sensing (LS) hydraulics are standard and can be switched on or off.



Factory-installed, in-house manufactured, PDH-10 additive application system.

The pump unit is self-adjusting, including a precision flow sensor, which the electronics use to adjust the flow rate.

An alarm sounds if there is a problem with the system. For example, when the additive container is empty, air in the system, nozzles are too small, or if there is a blockage. The application is not affected by fluid viscosity or pumping height.

Control is via the AMC display, with the pump start and stop being automatic, with preservative application amounts stored within the system memory.

The AMS baler features an additive pump with control separate from the display system, and the system is expandable, as well as being fully automatic.

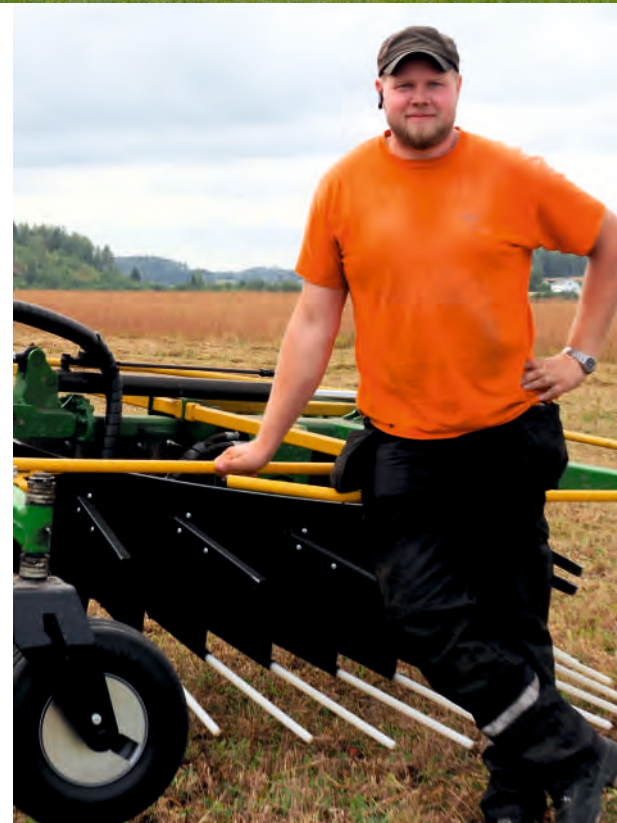
Agronic manufacturers additive container racks which mount directly on to the AMC baler, as well as general purpose versions front-loader/front-linkage mounting, with capacity for two 200-liter (52 us gal.) barrels.

The preservative is always sprayed directly into the baler chamber. The pick-up and rear of the tractor are spared from a fogging of preservative, as it is applied where it should be: On the Bale.



AGRONIC *AMC*, Monitoring of preservative level, bale moisture and weight!

The Opinion of our Test Customers.



Factory development and testing always requires an independent opinion and testing under various operational conditions.

We have diligently tested the balers around Haapavesi with different tractors, drivers, materials, and in different conditions.

During the summer of 2021, it was time to deliver the machines for long-term testing and assessment.

An Introduction to Our Test Drivers and Their Findings:

Olli-Heikki Niemi (Vihti, Finland) has a long experience as a contractor with round baling. We are accustomed to having honest, constructive, feedback from him. So, we delivered a machine for long-term testing.

Jaana and Sami Jääskeläinen owners of the Tapiola organic Highland farm (Viekijärvi, Lieksa, Finland), are raising cattle, as well as selling meat directly from their farm, and undertaking contract work. Since 2008, Sami Jääskeläinen, has been an operator of Agronic balers. Sami's feedback is honest and unedited.

Comments from Olli-Heikki and Sami:

- Lightweight, low fuel consumption, with a low power requirement.
- High bale density.
- Handles very dry and very feed crop well.
- Both straw and dry hay are easy to bale.
- Stable in the field and easy to transport on the road.
- Uniformity of crop cutting is very good.
- Bale unloading is easy.
- Clean pick-up of the crop, even in light conditions.
- Knife cassette can be easily lowered to clear blockages.
- The camera integrated with the display is very good.
- Integrated additive pump with automatic control.
- Powerful 4-wheel brakes.
- Faster baling than with previous balers.





Technical Specifications

	AMS	AMC	
Bale Chamber		Fixed	
Bale Size cm/ft.		130x120/ 4'x4'	
Chamber rollers qty		18	
PTO 1/min		540	
Power Requirement Kw/Hp		74/100	
Pick-up Width cm/ft.		210/ 6' 8"	
Knives qty		25	
Theoretical Chop Length mm/in		42/ 1.68	
Pick-up Bars/Double Tines		4/112	
Hydraulically Lowered Knife Cassete		Standard	
Electronic Net Binding System		Standard	
Automatic Chain Lubrication		Standard	
Centralized Greasing	Standard		
Automatic Central Lubrication	Optional		Standard
PDH Additive Pump		Optional	
Bale Scale		Optional	
Moisture Measurement		Optional	
Tires 500/50-17			Bogie Standard
Tires 560/45R22,5	Standard		Bogie, Optional
Brakes			Hyd. 4- wheels
Wide-angle PTO Shaft with Clutch		Standard	
Bale Counter qty	4		200, bales, additive and date.
Electrical Connection		12V- 30A	
Hydraulic Requirements	2x 2 DA		1x supply and free return, and 1x SA for pick- up
Drawbar		40 mm towing eye, height adjustable	
Road Traffic Lightning		Standard	
Bale Ramp	Standard		
Bale Turner			Standard
Dimensions	560/45R22,5	500/50-17	560/45R22,5
Width cm. (ft.in.)	272 (8' 3")	287 (9' 4")	299 (9' 8")
Height cm. (ft.in.)	234 (7' 6")	253 (8' 3")	260 (8' 5")
Length cm.(ft.in.)	434 (14' 2")	635 (20' 8")	635 (20' 8")
Weight kg (lbs)	3050 (6,724)	5300 (11,684)	5500 (12,125)



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