



## **AGRONIC** *AMS* and *AMC* **Round Balers**

Fixed chamber balers, with and without wrappers, designed for all types of operating conditions.

Large capacity, with 25 selectable knives, short length of cut, baling automation, easy bale transfer and unloading.

Hydraulic bale chamber locking, pressure monitoring, and reinforced rollers ensure dense and tight bales.

Factory installed PDH preservative application system, bale weight scale, moisture measurement, and film binding as available options.

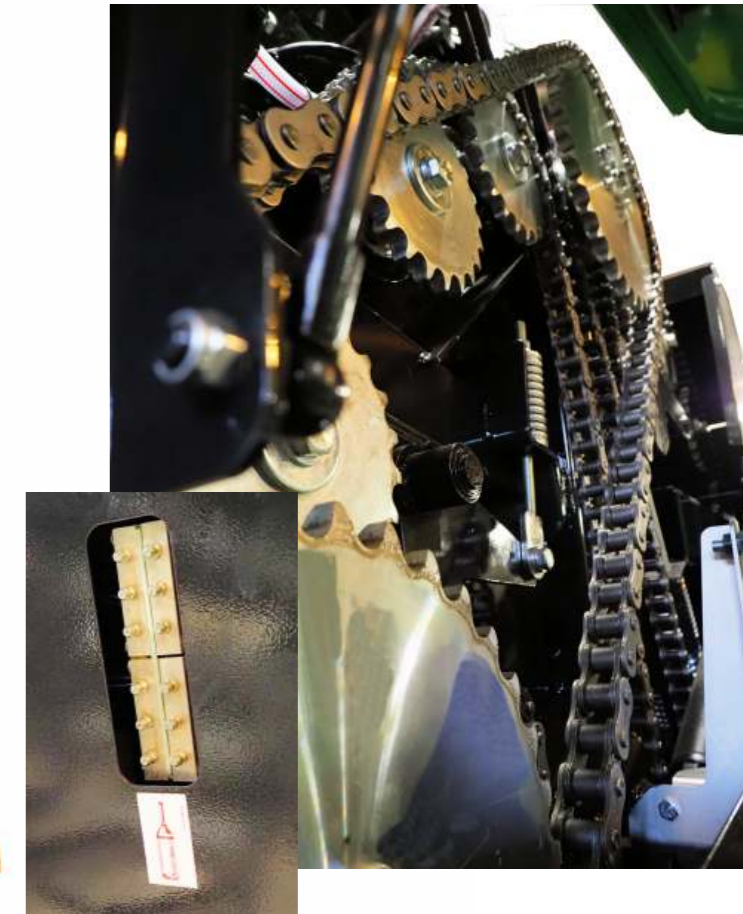




**AGRONIC** *AMS* round baler



Tested in Finland, with Nordic conditions, for fields all over the world. A 2.10-m (6' 10") pick-up, with 4 tine bars, and 112



Automatic chain lubrication and centralized grease points. Automatic central lubrication is standard on the AMC, optional on the AMS.



Knife cassette is electro-hydraulically lowered, for easy removal of blockages, The spring-loaded pick-up precisely follows the ground contours and is protected by an overload clutch.



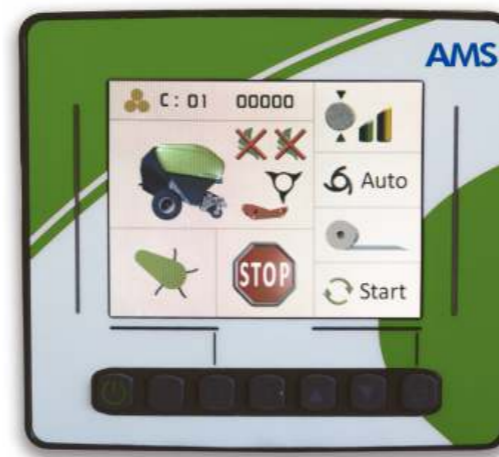
The wide-angle PTO-shaft, that inputs power to the T-gearbox, is equipped with a cut-out clutch. Power is transmitted to both sides of the machine: to the left for the bale chamber rollers, and to the right for the pick-up and infeed rotor. .



25 knives and a sturdy rotor, guarantee an even feed and a short chop length. The qty. of knives engaged can be reduced by half.

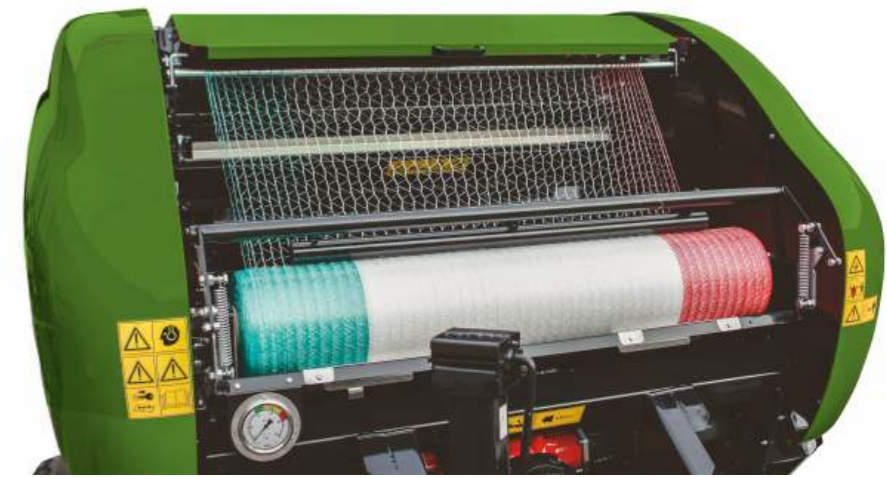


Electro-hydraulic chamber pressure control, handled from the tractor cabin.  
 The 18 durable rollers feature traction, working in conjunction with narrowing plates, to help keep the bale rotating, even under difficult conditions.  
 An optimal bale density is always achieved using a lower-than-normal power requirement.



Agronic AMS: Easy-to-use operating terminal.

Control the number of blades selected, and the lowering of the knife cassette. Three-position of the chamber pressure, bale "done" is indicated by the display colors, and by a sound alarm. Automatic or manual net binding (optional film). Memory positions for bales/hr, bales/customer, and total number of bales.



Unobstructed and easy to access net rolls, with a width of 1230-1330mm (48-52")

Mechanical metering and net brake adjustment, easy to load, reliable, and space for two rolls with a low loading height.







Agronic Oy was a pioneer in the design and manufacture of combination balers. The first Agronic 1302 combis were delivered to customers in 2001, with range later being expanded to add the ACC Pulse models, MIDI models, and various maize/loose material balers. The ACC Pulse series has now been replaced by the AMC.

With more than 20 years of making bales in demanding Nordic conditions, the AMC incorporated the lessons learned. Decades of development in power conservation, bale density, and increased efficiency when it comes to operating costs.

The compact size, robust construction, large diameter radial tires, asymmetric undercarriage, allows for optimum work quality. Even in wet autumn conditions.

The design of bale chamber, chamber rollers, and the precise control of the bale pressure make it possible to bale dry and straw even more efficiently.

Agronic has extensive experience when it comes to providing support worldwide for balers and Multibalers. Spare parts, technical questions, and other subjects are often resolved by consulting with in-country dealers and representatives. Factory staff also remain available to provide support.

The Agronic AMC is a Key Finnish product.

**Unique features that make operation easier, bale feeding more efficient, and improve reliability.**

**Knife Automation:** It is possible to produce bales with longer material on the outside vs. the inside, making for bales that are resistant to bird damage. The bales also maintain their shape longer after the plastic is removed. The chop length is also much shorter than before, ideal for TMR feeding.

**Drop Floor:** Blockages are easily cleared by lowering the chamber floor from the cab.

**Film Binding:** Available as an optional accessory, works with both film and net.

**Double Wrapper:** Twin satellite wrapping arms, with film monitoring, wraps correctly with 1 or 2 rolls, and an overlap of 50%.

**Wrapper Controls on Both Sides:** Makes changing the plastic rolls easier.

**Separate Load Bearing Frame:** Takes the stress off the drawbar, reduces the strain on the baler's components. Large diameter radial tires, working an asymmetric frame the reduces the loading on the front wheels, ensuring smooth, error-free wrapping on the move.

**Automatic Chain Lubrication and Central Lubrication:** Makes maintenance easy, and ensures the chains are well lubricated.

**Integrated Preservative Application System:** Dosing directly into the bale chamber, with quantity control.

**AGRONIC AMC and AMS, increased baling efficiency, with decreased fuel consumption!**



The easy-to-use monitor includes functions for bale monitoring, preservative application, and comprehensive memory locations.

There is stepless bale density adjustment, and quick selections for the pick-up height.

The baler uses precise, non-contact sensors. These help to ensure the precise locations of the bale chamber door, bale lifter, and wrapping arms.

A camera is integrated into the display as standard.

Bale moisture meter and a bale weight scale are available as options.

Domestically produced by ProDevice Oy, the electronics are housed onboard the baler.

ProDevice Oy has manufactured baler and wrapping control systems since 1995.

The operating software has also been developed by ProDevice Oy. Seamless communication between the customer, programmers, and designers without language barriers has been ensured.



Placed in the lower cabinet, the hydraulic valves are clear, and easily accessible.

Plastic overlap does not need to be adjusted; it is preset at 50% overlap.

The hydraulics are proportional, smooth functions for opening the bale chamber and moving the wrapping table. The wrapping speed can be adjusted directly from the operating terminal.



Load Sensing (LS) hydraulics are standard and can be switched off if needed.



## AGRONIC AMC Binding Bales with Net or Film!

We have the experience with film binding technology since 2009, so we have the knowledge needed to ensure we have a proven reliable system. The advantages of using film binding are undeniable: improved feed quality, bales that are easier to open, and to feed-out.

When baling hay or straw that will not be wrapped, film binding makes for tighter bales, that are better protected against weather. Changing from film to net binding is an easy process.

A factory installed PDH preservative application system, including a self-adjusting pump and flow sensor, from which the electronics set the flow rate.

An alarm sounds if the additive container runs dry, if there is an air leak in the system, and if the nozzles are too small or blocked.

The application rate is not affected by the viscosity of the liquid or changes at the pumping head.

Management is handled by the AMC's operating system. Starting and stopping of the pump are automatic, and application amounts are stored in the system's memory.

We manufacture barrel racks that can be fitted directly on to the baler, as well as general-purpose models that can be fitted on to the front linkage or on to the front loader.

Preservatives are applied directly into the bale chamber or at the customer's behest, at the back of the pick-up. Both the pick-up and rear of the tractor are protected, as the preservative is applied where it should be – on the bale!



**AGRONIC AMC, Monitoring of Bale Humidity, Bale Weight, and Preservative Application!**

# Just about 400,000 Bales Worth of Experience!

Round baling of fresh fodder has held its ground, despite other trends in harvesting. Heikki Korpi, living in Oksava (Haapajärvi region, Northern Ostrobothnia, Finland) has been undertaking contract round baling since the early 1990s. Between Heikki and his son Tom, they produce 10-15,000 round bales annually. So, they have some experience!

Heikki considers one of the major advantages of round baling to be its flexibility. Even small feed lots are capable of being accommodated with round bales. The use of round bales also becomes a secondary source of income.

## Both in the Silo and in the Bale.

"We have customer farms that do their first and second cut as silage in silos. For the third cut, it's round bales" according to Tomi.

Another advantage to round baling is that it is easier to move the bales from the field to another customer or point of sale. Also, when relying on a contractor to perform the baling, additional time is available to further plan long-term investments.

Heikki tends to mow and rake the hay themselves. When the stubble is long enough, a height of at least 7cm (2¾") mechanical weeding can be done to remove the dead grass and weeds. Ensuring that the feed quality remains excellent.

"Clean feed, tightly baled, with the correct preservative, and careful plastic guarantee quality. The transition from net binding to plastic binding has further improved the quality of the feed. Most farmers no longer accept taking bales tied with net" Heikki says.



Layers of plastic over layers of film binding, can be added as needed. In using film binding over net, the bales are much tighter, improving durability and creating an oxygen barrier against spoilage.

Opening a film bound bale is also smoother, particularly in cold weather, and the waste plastic does not need to be sorted from the wrap.

"We always use preservative chosen by the farmer. In recent years the use of organic preservatives has slowly increased. Currently half of the bales produced are treated with acid, and the other half is with organic preservatives. However, a small number of bales are made without preservatives." Says Heikki Korpi.

## Top-Notch Aftermarket Support

Koneurakointi Korpi (Korpi Contracting) has used round balers from Agronic since their launch on the market. "Experiences have been so positive, that no thought has been given towards changing brands. A 24/7 parts service, in the neighbouring municipality, is an excellent advantage when you are contracting." "We have a small stock of Agronic parts in stock for sale. If necessary, we can go in the field, on site, to service Agronic equipment in our vicinity." Says Tomi.

Currently Koneurakointi Korpi has two Agronic combi machines working. The newer AMC unit was received directly from the Okra show and put right to use baling. By mid-September it had already clocked-up some 7,000 bales.

Farmers want bales with a short chop length, and the Agronic AMC with its 25 knives and robust rotor ensure that is possible. The AMC's length of cut is significantly less than its predecessor, making feeding the bales produced much easier, particularly with TMR. With the AMC's process automation, it is possible to get bales with longer crop on the outside, ensuring the bale stays together longer after being opened.

## New Features Bring Added Value

"New features make the baler more comfortable to use. The bale weight scale is there, the older one too, but the new one also has a humidity meter. When the weight of the bale and its moisture are known, the amount of dry matter in the feed is known exactly at feeding. Several farmers know the value of this feature." Tomi says.



The clear operating monitor, with a color display, shows everything the machine has to offer. The information and adjustment options needed for operation, and the integrated system for preservative dosing directly into the bale chamber. This results in very well-preserved bales.



Tomi and Heikki

The Agronic (AMC's) 710mm (27") tires do not compact the field's surface. The baler tires run a wider track than those of the tractor, reducing the risk of forming ruts. The automatic chain lubrication and standardized central lubrication facilitate maintenance during the busy season.



## Technical Specifications

	AMS		AMC	
Bale Chamber Type		Fixed		
Bale Size cm. (ft.)		130x120 (4'x4')		
No. of Chamber Rollers		18		
PTO Speed rpm		540		
Power Requirement KW/Hp		74/100		
Pick-up Width cm. (ft.)		210 (6' 8')		
Qty. Knives		25		
Theoretical Length of Cut mm. (in.)		42 (1.68)		
Pick-up bars/Double Tines per Pick-Up		4/112		
Hydraulically Lowered Knife Cassette		Standard		
Electronic Net Binding		Standard		
Automatic Chain Lubrication		Standard		
Centralized Greasing	Standard			
Automatic Central Lubrication	Option			
Standard				
PDH Preservative Pump		Option		
Bale Scale				Option
Humidity Measurement				Option
Film Binding System				Option
Chain Oil Container				Standard
Tire Size 500/50-17				Bogie, Standard
Tire Size 560/45R22,5	Standard			Bogie, Option
Tire Size 710/35R22,5				Bogie, Option
Brakes				Hydr. 4- wheel.
Wide-Angle PTO shaft w/clutch		Standard		
Bale Counter Qty.	4			200, bales, additive and date.
Electric Connection		12V- 30A		
Hydraulic Requirements	2x DA			1x Supply and free flow return, 1x SA for pick-up.
Drawbar Type		40mm (1½") towing eye, height adjustable		
Road Traffic Lighting		Standard		
Bale Ramp	Standard			
Bale Turner				Standard
<b>Dimensions</b>				
	560/45R22,5	500/50-17	560/45R22,5	710/35R22,5
Width cm. (ft. in.)	272 (8'3")	287 (9'4")	299 (9'4")	329(9'5")
Height cm. (ft. in.)	234 (7'6")	253 (8'3")	260 (8'5")	260 (8'5")
Length cm. (ft. in.)	434 (14'2")	635 (20'8")	635(20'8")	635 (20'8")
Weight kg (lbs)	3050 (6,724)	5300 (11,684)	5500 (12,125)	5600



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Made in Finland

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**30 Years of Quality for green fields all over the world!**

In the interest of improving our products, we reserve the right to make changes. Photos feature machines equipped with optional equipment.