

AGRONIC[®]

Made in Finland



Founded in 1993, Agronic Oy is a Finnish manufacturer of agricultural machinery. From the beginning, our mission has been to design and develop technologically advanced, efficient machines, for modern agriculture, and to constantly develop our product range.

Product development based on requirements, with experience and flexibility, together with the control systems developed in-house by our company, guarantees that our customers receive functional and user-friendly machines. Our business model also makes it possible to offer tailor-made products according to the customer's needs.

Good maintenance and spare parts service as well as valuable technical support are important components of our business. We want to help make our customers' work as productive as possible, even during the most hectic periods of the season. We are recognized for being able to offer quick help, even in case of problems.

We employ over 50 agricultural machinery experts. Approximately 45% of our production is exported. Our company meets both ISO9001 and ISO14001 standards

We at Agronic are proud to work with farmers and work with them to make agriculture even more productive.



Quality for green fields all over the world.



Agronic Rakes

Two models of Agronic windrowers are available. WR500 for front mounting, WR600 for front/rear mounting.

For all circumstances

The grass is moved on polyamide “sticks” (tines), so that the transfer of impurities into the windrow is minimized. The stones remain on the ground where they belong. And if a “stick” (tine) comes loose, it will not damage the following machinery.

Excellent Windrow Quality.

Thanks to the operating principle, the crop is not twisted or roped, but form into light and airy windrows. Easy to collect with the baler, the uniformity of the windrows makes for well-formed and even bales.

Simple and almost service-free

The polyamide “sticks” (tines) are flexible and extremely durable. They do not require specialized tools for servicing.



Technicxal Data

	Wr500	Wr600
Weight (kg)	395	860
Max. Working width (m):	5,1	6,1
Transport width (m):	3,3, hydraulic telescope	2,8, lifting the wings
Swath width max. m	2,2	2,2
Tines, 20 mm polyamid pc.	2x 16	2x 36
Tires 16x6.50-8	3 pc.	7 pc.
Hydraulic requirements	1x DA 1 SA and free-flow return to tractor.	
Hydraulic motor shaft size	40 mm	

Additional equipment

EURO standard Front Loader Adapter:	Optional	Optional
Front 3pt Linkage Headstock:	Standard	Optional
Rear 3pt Linkage Adapter:	Not possible	Optional
Windrow Compression Roller:	Optional	Optional
Electric Height Adjustment:	Not possible	Optional
Independent Rotor Control:	Not possible	Optional



Agronic balers and accessory



Agronic AMS
A fixed chamber round baler designed for professional Nordic operations. The baler combines ease of use, high capacity, and operational reliability under all conditions. A large diameter chamber and 25 selectable chopping knives to control the desired length of cut.



Specifications	MidiFix	AMS	ACC
Weights kg	2620	3270	5250
Rollers	14	18	18
Pickup cm	170	210	220
No. Knives	7	25	20
Bindning	nät	nät	nät/film
Balse size cm	85x90	120x130	122x 125
Tires	500/50-17	560/45R22,5	560/45R22,5

Agronic ACC PulseM
A powerhouse on wheels that produces the densest of bales under the most difficult conditions. Oversized tires and rollers guarantee successful operations in all conditions.

Bale binding is by either net or plastic film. Optional accessories allow for, among other choices, the possibility for bale weight measurement and recording.



Agronic MidiFix
Midifix baler offers all the characteristics found on larger balers, except with a bale size 85 x 90 cm, and a volume of about 550 liters. These bales can are ideal for passage through narrow doors and can be rolled by hand. Easy-to-use control unit and camera surveillance.

Reliable Nordic Quality

Hannes Mäenpää and his wife Eeva-Stiina have about 50 cows on their organic farm, Kuiviston Kyyttö, in the section of the village of Ylä-Kintaus, situated in the municipality of Petäjävesi.

A Functional Solution

The arable land of Kuiviston Kyyttö farm is approximately 140 hectares and the grass is harvested 1-2 times per summer, depending on the weather.

The forage crop is laid down mainly by Mr. Mäenpää himself, using a 3.2-meter-wide mower.

The experience of using the Agronic WR500 front rake for three summers has been excellent. “Our own fields are extremely rocky, and the rented fields were also very uneven when I started cultivating them. Nevertheless, the rake has worked flawlessly. Not even a single stick (tine) has broken” – as Mr. Mäenpää explains

Clean Fodder

Since raking and baling can be carried out with a single pass, the ground is not compacted unnecessarily, and fuel is also saved. The windrowing obtained with the rake is exceptionally clean, as the beaten hay moves on to the rakes sticks (tines) without touching the ground. That is an especially important characteristic for Mr. Mäenpää, as he also harvests silage fodder and even hay for horses. The Plastic sticks (tines) are an excellent solution, as they do not damage the baler if they come loose, as a metal stick would do. Thanks to the ingenious design, the polyamide sticks (tines) do not need any special hardware that wears out and requires additional maintenance

Dense and Well-Formed Bales

The decision by Kuiviston Kyyttö to purchase an Agronic ACC Pulse M combi baler, during the spring, was influenced by the fact that their old Agronic 1302 combi baler had given excellent service on the farm for over 10 years. The old baler had shown that the cooperation with the factory flowed smoothly. “The maintenance and spare parts service must work for such a seasonal machine. They answer everything by phone and the staff is always friendly and helpful, regardless of the time of day” as Mr. Mäenpää speaks about his experiences. “With the new combi baler, you can manage the baling days without soiling your hands, as the only reason you will need to leave the driver's cabin is to change the net and plastic rolls.”

An Easy-to-Use Unit

In addition to fresh hay, baling experience has been gained with clover, dry hay, and even moist straw. Mr. Mäenpää thinks the baler's automatic chopping knives are an excellent feature, regardless if you are baling dry straw or damp safflower. If you want, you can also get longer straws on the surface of the bale, which reduces the loss due to straws that come loose and the bale is firmer during all handling. “The time and fuel that is saved by using the front-mounted windrower and combi baler together are really significant factors.” Hannes Mäenpää concludes.



Agronic Slurry Tankers

Capacity, reliability, and custom features since 2001

- Low center of gravity.
- Excellent handling characteristics on country roads and fields.
- The tanker is designed so that the front section, ahead of the main bogie, is emptied last. Ensuring that an optimal drawbar weight is maintained.
- Self-supporting construction, no separate heavy frame, which equals a lower dead weight.
- Clean routing of hydraulic lines and cables.
- Epoxy-coated inside, and the outside is sandblasted, prior to being painted and lacquered.
- Comprehensive range of optional equipment to meet all needs.
- High-quality, optimally dimensioned axles, and different types of suspension according to customer needs.
- Efficient range of pumping arms, with a long reach. Designed and developed in Finland, for Nordic operating conditions.
- Control electronics manufactured by the Finnish company ProDevice Oy, featuring user-friendly headland automation and the associated crab steering control.



Agronic Fg series, two sizes: 15.5 and 18.5 m3. Due to the shape and construction of the fiberglass tank body, both the center of gravity and the unladen weight are low.

Agronic S-series, with parabolic-sprung pendulum bogie axles, in the size class 14–20 m3. A large range of equipment is also offered for this series.

Agronic U- Control with a 3,5" display.
Bogie locking routines take place automatically, loads are managed, volumes and areas are saved in selectable memory locations.

A range of additional equipment, a very efficient filling pump, whose actual capacity with a realistic oil flow of 80 or 103 l / min is 8 or 10 m3 / min. A 20 m3 is filled in only 2 mins.!



The hydraulic and control electronics found as standard on the Agronic HXA II tankers are among the most advanced on the market.

Handling with a joystick.
7 "color touch screen, with actual buttons in addition.
Flow meter for accurate quantity setting in real time.
Two cameras as standard; rearward view and for the filling pump.
Ground speed and reversing information from the tractor.
Proportional hydraulics that works smoothly, and without unwanted jerking.
Improved function-specific systems, and even more accurate LS hydraulics.
The hydraulics are organized to a central location.

Exactly According to the Customers' Needs

Entrepreneur and farmer Antti Haataja from the village of Melalahti in Paltamo municipality ,considered in 2007 whether it would be possible to spread manure in a small-scale side business. The cattle farms in the area rebuilt their barns from dry manure or liquid manure. At the same time, the farmers considered whether to acquire their own slurry equipment or hire a contractor.

“The demand for liquid manure has increased throughout. Next season I will use a 20 m3 HXA II AIR slurry tanker from Agronic. The three-axle tanker with crab steering has proven to be excellent for the fields in Kainuu.” As Mr. Haataja explains.

The Farmers Thank You

Mr. Haataja's previous slurry tanker was also of the same type. The farmers in the area commended the tanker's tridem axles and the crab steering. The spreading of slurry does not overly compact the fields, and the spreading can be carried out even if the soil is quite wet.

To be able to work smoothly in all conditions, Mr. Haataja chose a comprehensive equipment package for the new slurry tanker. An automatic central lubrication system saves time, as you do not have to run around the machine with the grease gun while operations are in full swing. The central lubrication system ensures that the grease safely reaches each lubrication point

Mr. Haataja also works outside Paltamo's municipal boundaries, so there will be good amount of highway driving. The new HXA AIR tanker is equipped with tire pressure adjustment. When driving on the road, the pressure is increased so that the trailer rolls smoothly without unnecessary tire wear. In the field, the pressure is then lowered to a minimum to reduce the ground pressure.

Comprehensive Product Support

“The choice of a new Agronic tanker was not a coincidence. The two larger tankers from Agronic had worked so impeccably well that the choice of the new tanker was easy. But the factory's exceptionally good support in the form of consultation and in terms of spare parts and service also played a big role when the procurement decision was made.” as Mr. Haataja admits.
When Mr. Haataja arrives at a farm, he receives an e-prescription in hand, which indicates the quantities that are to be spread and on which fields. The slurry tanker's quantity adjustment system sees that the exact desired amount of liquid manure that is to be spread. Mr. Haataja spreads the liquid manure mainly on grassland with the 8-meter-wide disc injector unit. Sometimes the fields are fallow and then the manure is spread on the surface. According to Mr. Haataja, the ability to select the spreading method from within the tractor cabin is very convient.



When An Haataja travels to the next farm, the equipment is completely clean. It gives a solid and professional image of the entrepreneur.





PDH Additive Pumps for all Harvesting Machines

PDH-10 For balers and self-loading forage wagons.
PDH-20 For self-propelled and trailed forager harvesters.

The start and stop command of the additive pump can be given, for example, based on the position of the pickup or directly from the harvesters 12 V output.

The additive pump monitors and regulates the flow automatically, unaffected by the level in the additive tank. The quantity is set directly on the control unit. The display in liters per minute is clear and the quantity adjustment and function can be fully automated.

Complete installation kits for choppers, self-propelled harvesters, and balers.



Agronic 1022 and 1025 – Automatic Trailed Bale Wrappers

Front loading, low drop-off height at the rear, and an overall low center of gravity, make for efficient wrapping. Even while driving. Wrapping with two film stretchers, as well as transport of two bales, allowing efficient movement of bales from the field to the storage site.

Bale size with 1022, max. 130 x 140 cm and with 1025, max. 130 x 155 cm

Agronic Oy

Teollisuustie 5
Fi- 86600 Haapavesi
Tel. + 358 8 454 9600
Email: export@agronic.fi
www.agronic.fi

Spare parts

Email: spareparts@agronic.fi
Tel. +358 44 4017 890

Sales

Email: export@agronic.fi
Tel. +358 44 4017 894

