



We keep you moving forward



MultiBaler XL

Baler-wraper combination

We as KNOLL know that all the work in the field needs to be done in as little time as possible.
You expect reliability and a certain performance of your machineto do the job.
With our MultiBalers we provide in your needs. Versatile machines adding a value to your activities whenever you wish.



**We are proud on this,
because your story is our story.**

About us

Knoll B.V. has been active in various developments in the field of balers and wrappers over the past decades, both as an importer and manufacturer. In 2019, the company moved into a new building with a showroom and large workshop on the De Esch industrial estate in Staphorst.

A good partnership ensures perfect machines and satisfied customers.

Knoll B.V. has been working with Agronic Oy from Finland, a manufacturer of agricultural machinery, for many years. This collaboration began in 1997. Knoll B.V. imported bale wrappers from this Finnish company. Due to its intensive involvement in the sale of round balers and wrappers, Knoll B.V. decided in 2008 to launch its own machine on the market, using the name AGRONIC.

After the successful development of various machines, it was decided in 2021 to sell these machines under the KNOLL brand name.

The strong partnership with Agronic has brought out the best in us for years. Together, we are successful in developing sustainable and reliable machines that create added value for our customers! A good partnership ensures perfect machines and satisfied customers!

Team Knoll B.V.

Introduction of the MultiBaler XL

The KNOLL MultiBaler XL is multifunctional due to its robust construction. This multifunctionality makes the machine the best all-rounder of its kind. KNOLL MultiBalers work worldwide to deliver round bales of the best quality and highest performance. **On the road to quality feed with KNOLL!**



The result:
**A KNOLL MultiBaler
for a new era**

The development

In addition to the existing KNOLL MultiBalers (820/1220), the KNOLL MultiBaler XL is an entirely new development. We went back to the drawing board and developed a machine that is unique. Building on both stationary and mobile use, this MultiBaler XL offers the ability to process a variety of materials into round bales.

It is important for us to receive feedback from you, the customer, to challenge us to develop machines that meet the highest standards. From this process, for the development of the MultiBaler XL need for comfort, ease of use, excellent reliability, intuitive and easy operation, 100% connectivity and the ability to work with the most demanding machines.

Features of the KNOLL MultiBaler XL



- Bale size 100–115 cm. (Ø) x 120 cm. (width)
- Bale volume 0,95 – 1,25 m³
- Bale weight 500–1350 kg (depending on material)
- Bunker volume 8,00 m³
- Bale chamber equipped with 17 chamber rollers, 2 chamber belts and durable slide bearings
- Capacity 50–60 bales/hour
- Hydraulic pressure control system for bale density
- Automatic film break detection system
- Binding system for mantelfilm or net
- Special feed rotors for optimal control of the crop flow

Unique and versatile, the most efficient of its kind!

The KNOLL MultiBaler XL is unique. The only machine that can work both stationary and mobile. Due to the design of the machine it is not necessary to change the working mode of the machine. Very easy and you can get straight to work. This feature provides versatility and more possibilities to use the machine effectively, with ultimately a better result..... and satisfied users!

Stationary use

Loading with any kind of loading equipment

The spacious feed bunker can be loaded in a versatile way using various machines. For example, a tractor with a front loader, wheel loader, crane or any other loading solution.

In addition, the feed bunker is equipped with side panels (both left and right) that can be folded down to reduce the height and facilitate loading, even with smaller machines.



KNOLL Dropbunker for loading baler direct from silage wagon

When loading material directly from a silage wagon, the "KNOLL Dropbunker" offers the solution. This makes the use of the MultiBaler XL even more versatile. The drop bunker can of course also be used in a fixed stationary position! This drop bunker with a capacity of 3.50m³ is hydraulically driven and the feed speed can be perfectly adjusted for each type of material by means of a speed control valve. In this way, material from the field can be stationary processed into round bales in a short time.



Mobile use

Unique combination!

The KNOLL MultiBaler XL can also be used mobile in a very efficient way:

1. Directly in combination with self propelled chopper (PTO driven)
2. Driving next to the chopper, driven and pulled by a tractor
3. In combination with a tractor fitted with a front-mounted forage harvester.



Processing different types of grass directly in the field

The KNOLL MultiBaler XL answers a frequently asked question. Is it possible to process chopped grass into bales? YES!

The KNOLL MultiBaler XL is the first machine to make it possible to process chopped round bales directly on the field. The MultiBaler XL was developed from the idea that it should be possible to process different chopped/shredded materials into bales. A variety of grass types can be baled, e.g. grass, alfalfa, fibre hemp, grain, GPS, etc.



8,00 m³ - large infedding bunker

The machine's feed bunker has a volume of 8.00 m³. The bunker is designed so that it can be loaded with any type of machine. For example a tractor with a front loader, wheel loader, crane or any other loading solution. The bunker is equipped with side panels that can be folded down to facilitate loading.



Durable bale chamber system

The heart of the MultiBaler XL consists of a bale chamber that is fitted with 17 bale chamber rollers in combination with 2 bale chamber belts. This set-up enables a wide variety of short materials to be processed to the best possible compacted round bales! The wear-resistant steel of the bale chamber enables long-term operation without maintenance.



Film & Net Binding system

The strength of a good and effective operation usually lies in its simplicity. We have succeeded in equipping the KNOLL MultiBaler XL with a very simple working tying system. This system can be used for both mantel and net and ensures a neat finish of the pressed bale at all times, before it is wrapped.



Cleverly complicated

The wrapping system consists of the wrapping table and the wrapping arm. The wrapping table moves through a rail system from the loading position to the wrapping position. This rapid movement, in combination with the fast wrapping arm, gives the machine a high capacity. The ingenious wrapping system is equipped with many handy extras for good and reliable operation.

■ How does the MultiBaler XL work?

1. Loading and feeding the material

The KNOLL MultiBaler XL is equipped with a generous 8 m³ feed hopper, allowing material to be easily loaded from above, whether the machine is moving or stationary.

Thanks to the automatic operating mode and intelligent speed control between the floor chain and feed belt, the material is fed evenly and efficiently into the bale chamber.

Dosing rollers ensure optimum distribution of the crop, even with longer material. The result: a stable and reliable baling process, tailored to every situation.

2. Forming and compacting into round bales

The press chamber is the heart of the KNOLL MultiBaler XL and is designed for long-term industrial use with minimal wear.

Thanks to the adjustable hydraulic baling pressure system, the bale density can be precisely adjusted to suit any material. The combination of 17 baling rollers and two Power-Grip 4 baling belts ensures efficient material processing and high-quality bale formation, with minimal losses, even with different types of crops.

3. Binding the bale with net/mantelfilm

The KNOLL MultiBaler XL is equipped with a versatile binding system that works with both net and wrap. Depending on the material and the desired bale quality, the number of layers can be easily adjusted.

In automatic mode, feeding, binding and cutting are fully automated. External keypads also make the system quick and easy to operate, even when changing rolls.

4. Recycling of small material losses

The KNOLL MultiBaler XL minimises material loss thanks to an integrated return system under the entire chassis. Small losses, such as crumbs from chopped product, are collected and returned to the feed belt via a continuously rotating return belt.

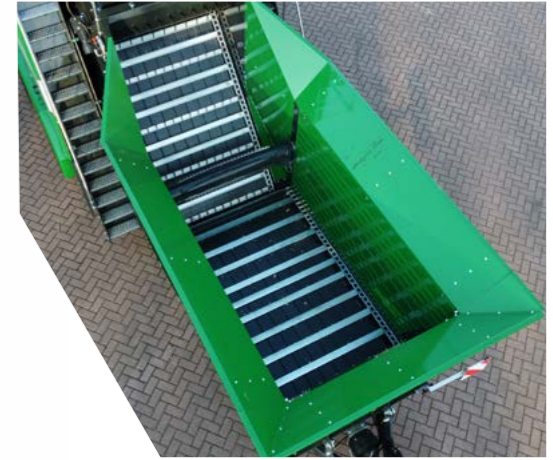
Horizontal augers efficiently return the collected material to the bale chamber so that it can be reprocessed in the next bale. This ensures maximum utilisation of the material and a clean working process.

5. Wrapping with automatic film control

The KNOLL MultiBaler XL features a movable wrapping table that quickly transports bales from the baling to the wrapping position, even on uneven terrain.

The wrapping arm is equipped with two 750 mm film stretch units that carefully wrap the bale. Automatic film break detection ensures consistent quality by adjusting the speed or pausing in the event of problems.

Carefully developed film knives ensure a clean cut and fixation of the film, which contributes to optimal preservation of the bale.





Reliable operating system for the best performance

The machine control system is carefully composed of high-quality electrical, hydraulic and mechanical components. This, in combination with an in-house developed control system, ensures optimal cooperation, resulting in a very reliable and user-friendly system!



Hydraulic drive system for the bale chamber

The bale chamber rollers and belts are driven by a hydraulic drive system. With the help of this drive system, the right speed can be set for every product and application in order to optimally process every product.



External “keypads” for important functions

The MultiBaler XL is equipped with keypads at three places on the machine. By means of these keypads it is possible to manually control important functions such as film binding, wrapping arm, film cutter or switching on the LED lighting.



IQAN 10” TFT control system

The MultiBaler XL is equipped with a durable and robust control system. The machine functions and the automatic work process are displayed by intuitive graphics on a 10" colour touch screen monitor. The symbols and graphics ensure clear display and operation, eliminating "language barriers."

Through Rimote® the machine is always "connected" and globally accessible for data exchange.



Automatic oil & grease lubrication system

The machine is equipped as standard with a LINCOLN automatic oil and grease lubrication system.

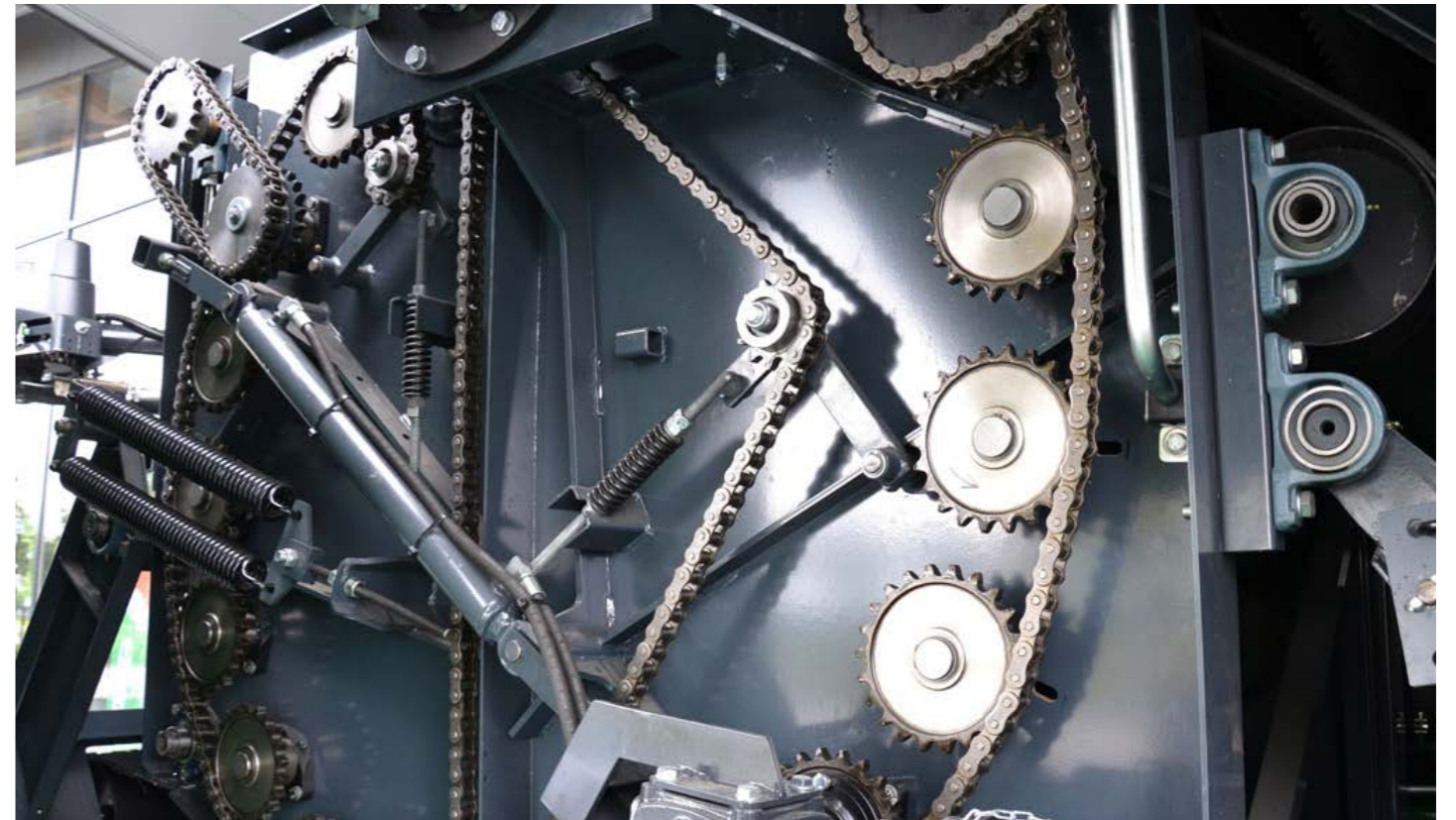
This system consists of two automatically controlled pumps that deliver a measured quantity of oil and grease necessary for the use of the machine in all conditions for sustainable operation and optimum maintenance.



TECHNICAL DATA OF THE MULTIBALER XL

Dimensions & Weight	
Transport length	11.37 mtr.
Transport width	2.97 mtr.
Transport height	3.86 mtr.
Feed hopper volume	8.00 m ³
Wheels	560/60 R22.5
Weight	10.850 kgs.
Brake system	Air brake system (double line) for max. 40 km/h
Required power	
Required tractor power	Min. 135hp / 100kW
Bale size & capacity	
Bale size (width x diameter)	120 cm. x Ø 100-115 cm.
Bale volume	1.25 m ³
Bale weight	500-1350 kg
Number of bales per hour	50-60
Attachment & Drive system	
Attachment to tractor	Rotatable flange eye / K80
PTO	1-3/8" (6 splines) - 1000 RPM
Hydraulic system	
Hydraulic system	Danfoss on-board load sensing hydraulic system with oil cooler
Hydraulic connections	No connections required

Elektric system	
Electrical connections	12 volt DC & road lighting
Operator system	IQAN 10" TFT touch screen (dust and water resistant)
Wikkel- en Bindsysteem	
Wrapping system	Double wrap arm with 750 mm film stretch units
Binding system	Filmbinding and netbinding
Film break detection system	Yes, automatic for both binding & wrapping system
Extra storage wrapping film	12 rolls
Extra storage mantelfilm/net	5 rolls



What do customers say about the KNOLL MultiBaler XL?



Werner Hofmänner

Haag (Rheintal)
Switzerland

Hofmänner Haag AG is a family business that carries out work for clients across a large area of Switzerland on the border with Liechtenstein.

Werner explains:

"The KNOLL MultiBaler XL is a robust machine with a strong and durable bale chamber, resulting in very well-compacted bales. The film binding is straightforward and works excellently for all kinds of materials."

"Loading the bunker with the optional side loading conveyor was very important to us, as it allows us to unload quickly with our side-unloading tipper trailer and means we never have to drive back. In addition, setting up the machine is easy and takes hardly any time at all."

"We mainly press maize, maize cob meal and some sugar beet pulp. Our idea is to also bale GPS and possibly grass silage. But in our experience, you can press anything with this machine."



Felber Ballen

Schötz
Switzerland



What do customers say about the KNOLL MultiBaler XL?

Felber Ballen GmbH is a company based in Schötz (Switzerland) that specialises in agricultural services. The company focuses on supporting farmers with specialised machinery, technical service and flexible solutions. Stefan Röllli works at Felber Ballen and is the operator of this machine.

Stefan explains:

"We have been working with the KNOLL MultiBaler XL for three seasons now and have processed a wide range of materials during that time, such as maize, grass, compost and MKS (maize cob scrap)".

"The machine is robust and solidly built. Despite its large size, it is surprisingly manoeuvrable thanks to its large wheels, which means we can really get anywhere with it".

"In addition, it is easy to operate and we can easily achieve a very high number of bales per hour. We are very satisfied with both the performance of the machine and the support and service that KNOLL provides us."



■ Applications

The processing of chopped and shredded crops and materials into high-density round bales is what the KNOLL MultiBalers excel at! Our customers use our MultiBalers to bale a wide range of different materials.



Maize/Corn Silage



Chopped grass



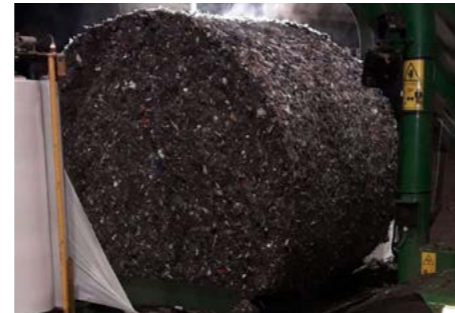
GPS (whole plant silage)



TMR (Total Mixed Ratio)



CCM (corn cob scrap)



RDF (waste)

Examples of other materials that can be baled with a KNOLL MultiBaler XL
Alfalfa | Lucerne | Dried manure | Cereals | Wood chips | Sugar beet pulp | Peat
Hemp | Cotton | Plastic



www.knoll-balers.com



Global service network and experienced users

Even the best machines cannot do without service! KNOLL Midi and MultiBalers are active in more than 80 countries and our service team is there for all customers. Our customers can rely on our commitment so they can expect the maximum performance from their machine. Service is a high priority at KNOLL. If you are already a customer of ours, you undoubtedly know this. We are not satisfied until you are. Service is not a hollow concept with us, but consists of three components that you can rely on.



Machines are provided with expertly compiled user manuals and parts information



Original spare parts of high quality. Everything in stock, fast delivery.



Our goal is to help you as quickly as possible. We can be reached through various communication channels.

www.knoll-balers.com

Extra options



Diesel Powerpack MultiBaler XL

Perkins 904J-E36TA 4-cylinder diesel engine with 100 kW as Industrial Open Power Unit (IOPU) mounted directly on the machine. With integrated cooling and aftertreatment system. This engine complies with EU Stage V, is HVO100 approved and combines performance and low operating costs in an ultra-compact package. Ideally suited for use in combination with a self-propelled forage harvester or for energy-efficient and efficient stationary operation of the KNOLL MultiBaler XL.



PDH-10 additive dosing system

The fully automatic PDH-10 system ensures the best quality silage. Developed in-house and equipped with a stainless steel pump. Any kind of additive can be applied automatically. Operation integrated in the software of the machine.



Bale weighing system

If the machine is fitted with the optional bale weighing systems, these readings will be displayed on the IQAN-screen.

The bale weighing system record the weight of each bale and their average bale weight reading for the job is displayed in the individual customer profile section on the control console.



Remote control - bale unloading

With the optional remote control, the operator is always "in control". By simply pressing the button, it determines when the bale will be unloaded. This handy device can easily be taken along with the machine during work wherever the operator moves.

www.knoll-balers.com



CHECK OUT OUR YOUTUBE CHANNEL



On our YouTube channel KnollBV, you will find various videos of the KNOLL MultiBaler XL in action.

WEBSITE KNOLL-BALERS.COM

Would you like more information, photos and videos of the KNOLL MultiBaler XL?

Then take a look at our website!

www.knoll-balers.com



Want to go directly to the website? Scan the QR code!

You Tube



Want to go straight to the videos? Scan the QR code!

We operate globally in more than 80 countries with our Midi and MultiBalers.



- Klanten
- Dealers



We are here to assist you!

Baling and wrapping often takes place during short periods when the weather permits. Providing accurate service during downtime is a must. That means more than just repairing malfunctions. We provide objective advice on whether to repair or replace parts and also provide information about the latest techniques and developments in the field of baling and wrapping.



KNOLL MidiFix II

Our product range



KNOLL Midi- en MultiBalers



KNOLL MultiBaler 820



KNOLL MultiBaler 1220






KNOLL MultiBaler XL



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