



**KNOLL**



**WE KEEP YOU MOVING FORWARD**

# **KNOLL MULTIBALER 1220**



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 machine to 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.**

**We keep you moving forward!**



The KNOLL MultiBaler 1220 is a versatile MultiBaler, developed for the baling & wrapping of various (fibre-rich) materials. The MultiBaler 1220 provides a high efficiency and is the suitable machine for any professional. This machine makes the packaging of silage and other products simple, easy and extremely efficient!

### The versatile all-rounder

The MultiBaler 1220 is a machine that can be used in a wide range of applications, both stationary and mobile and for small and large jobs.

Because of the round bale size that is produced with the KNOLL MultiBaler 1220, this machine is suitable for various users and circumstances and for deployment on own farms or for commercial use.



## KNOLL MultiBaler 1220

- Bale size: 100 cm (width) x 100-120 cm (Ø)
- Bale volume: 0,80-1,10 m<sup>3</sup>
- Bale weight 500-900 kg (material dependent)
- Bunker volume 4,00 m<sup>3</sup>
- On-board hydraulic system with oil cooler
- Capacity: 40-45 bales per hour

### Mobile & Stationary use



The KNOLL MultiBaler 1220 can be used in many ways to do what the machine is meant for, making high quality round bales in a very efficient way.

The machine can be used both stationary and mobile. This makes MultiBaler 1220 multifunctional and allows the machine to be used effectively by users.

### Transport & Logistics

KNOLL MultiBalers impress with their flexibility. The design of the machine ensures that it can be used in a very short time to get any job done. Both mobile and stationary. This is an important feature for the demanding user who visits different locations during a working day.

The processing of materials into round bales ensures first-class quality and a versatile product through high compaction.

Bales can be stored for a long time and moved easily, unlike a loose product.



# COST-EFFECTIVE WORKING WITH HIGH CAPACITY!

The MultiBalers from KNOLL are universally usable due to their robust construction. This multifunctionality makes the machines all-rounders for everyone. KNOLL MultiBalers work worldwide to provide customers with the best products and performance!

The KNOLL MultiBaler 1220 is a machine that guarantees a high capacity and reliability (number of bales/hour). Sophisticated technology and an efficient work process ensure the highest possible output.

Being an owner of a machine means paying attention to the Total Cost of Ownership. KNOLL machines are equipped with high quality parts and require little maintenance, which results in a long service life and a low cost per bale.



## 4,00 m<sup>3</sup> Infeeding bunker

The MultiBaler 1220 is equipped with a 4.00 m<sup>3</sup> bunker. The bunker is fitted with a bottom chain with conveyors, making it easy to feed in many types of material.

Loading the bunker is possible in several ways. In stationary use with a tractor equipped with a front loader. In mobile use directly by the chopper.

## Film- & Netbinding system

KNOLL MultiBalers are standard equipped with a binding system where both net and mantelfilm can be used.

The choice of net or mantelfilm depends on the type of material or the user's requirements.

In both cases the binding system of the MultiBaler 1220 ensures a neat finish of the bale, before it is wrapped.



## Applicable for many materials

The MultiBaler 1220 is equipped with a balechamber system that makes it possible to process various types of material.

The bale chamber consists of 2 drive chains in combination with 107 tight bars. This bale chamber in combination with the flow of material through the machine makes it possible to process various (short) materials into the best round bales!



## Efficient wrapping

The final step is wrapping the bale with film. From the bale chamber the bale is moved to the wrapping position.

This 'smart' movement of the bale through the combined return system of the machine and the wrapper gives the machine a high capacity.

The automatic wrapping system is equipped with film break detection for efficient operation without unnecessary downtime.



# How does the MultiBaler 1220 work?

## 1. Loading and feeding the material

Loose material should be loaded from above into the bunker of the machine. This can be done using a tractor + front loader, crane or wheel loader.

The feed bunker can also be loaded from the ground or in combination with a silage wagon using the optional "KNOLL Dropbunker".

The bunker is equipped with movable side plates, which reduces the height for loading.

After loading, the material is transported to the bale chamber fully automatically by means of a bottom chain

The bottom chain automatically pauses when too much material is fed in and thus adjusts itself to the type of material.

Shortly before the bale chamber, two dosing rollers ensure a regular distribution and flow of material towards the bale chamber.

## 2. Compacting into round bales

The material is compacted in the bale chamber resulting in a volume reduction of up to 50-70%. This depends on the type of crop or material and the dry matter content.

The bale chamber of the MultiBaler 1220 is fitted with two heavy-duty drive chains with 107 tight bars between them. This system together ensures a closed bale chamber.

Each tight bar exerts pressure and traction on the material during baling, ensuring shape-retaining bales.



## 3. Bale wrapping/ net wrapping

After compacting the material into a round bale, it is important that the bale is tied properly with net or mantelfilm before it leaves the bale chamber.

Secure film or net binding ensures perfectly shaped bales. The MultiBaler 1220 owner can choose whether to use net or mantelfilm for this process.

Changing between net or film is simply a matter of changing a setting in the machine's computer and installing the correct roll.

The "film & film" principle is based on a number of layers of mantelfilm in combination with wrapping film that is tied around the bale and guarantees a high bale density. This principle also provides a better oxygen barrier, resulting in a better end product with a higher yield.

## 4. Integrated return system

KNOLL MultiBalers are equipped with an integrated return system for recycling "crumb losses".

During the processing of (short) materials, small losses always occur. With the help of the return system, no product is lost.

The return system consists of a construction that is located under the entire length of the bale chamber and wrapper. From here, the losses are transported to the front of the machine by means of a bottom chain. The vertical return auger is located at the front. This upright system is equipped with two augers that move the material upwards and "recycle" it back into the infeed bunker.

Material losses are reduced to a minimum by the presence of a return system.

## 5. Automatic wrapping with film control

KNOLL MultiBalers are equipped with an ingenious wrapping system. When the bale is ready in the bale chamber, it is automatically transferred to the wrapper.

With the MultiBaler 1220, both the return system and the wrapping system are combined, ensuring an easy and efficient movement of the bale. This also ensures a very clean transfer and at the same time effective handling of the crumb losses.

The wrapper is equipped with a wrapping arm with two film stretchers for 750 mm film rolls and two cut-and-hold cutting systems for the wrapping film.

During the bale wrapping the process is monitored by the film control system. When a film roll is empty or when it breaks, the system reacts automatically.

# TECHNICAL DATA OF THE KNOLL MULTIBALER 1220

Dimensions & Weight	
Transport length	8.90 mtr.
Transport width	2.87 mtr.
Transport height	3.10 mtr.
Wheels	500/50-17
Weight	6.800 kg
Required power	
Required tractor power	95 Hp / 70 kW.
Bale size & capacity	
Bale size (width x diameter)	100 cm x Ø 100-120 cm
Bale volume	0.48 m <sup>3</sup> – 0.54 m <sup>3</sup>
Bale weight	450-800 kg
Feed hopper volume	4.00 m <sup>3</sup>
Number of bales per hour	40-45
Attachment & Drive system	
Attachment to tractor	Rotatable flange eye / K80
PTO	1-3/8" (6 splines) – 540 rpm.
Hydraulic system	
Hydraulic system	"On-board" hydraulic system with oil cooler
Hydraulic connections	No connections necessary
Elektric system	
Elektric connections	12 volt DC connections & road lighting
Operator system	Electronic control unit (dust- and water resistant)
Wrapping & Binding system	
Wrapping system	Double wrap arm with 750 mm film stretch units
Binding system	Filmbinding and Netbinding
Filmbreak detection system	Yes, automatic for both binding & wrap system
Extra storage of wrapping film	12 rolls
Extra storage for mantelfilm/net	1 rolls



## KNOLL & AGRONIC

### MOVING FORWARD TOGETHER, SUCCESS COMES NATURALLY

For more than 25 years, Knoll B.V. has cooperated with Agronic Oy of Finland. Agronic Oy is a producer of agricultural machinery. This cooperation started in 1997. Knoll B.V. imported bale wrappers from this Finnish company.

By intensively selling round balers and wrappers, Knoll B.V. decided in 2008 to launch its own machine on the market, using the name AGRONIC.

**A good cooperation ensures perfect machines and satisfied customers!**

After successful development of various machines, in 2021 it was mutually decided to start selling these machines also under the brand name KNOLL. The machines will also continue to be sold under the AGRONIC brand name in a number of countries.

A strong cooperation of more than 25 years brings out the best in us. Together we are successful in the development of durable and reliable machines that create added value for our customers! A good cooperation ensures perfect machines and satisfied customers!



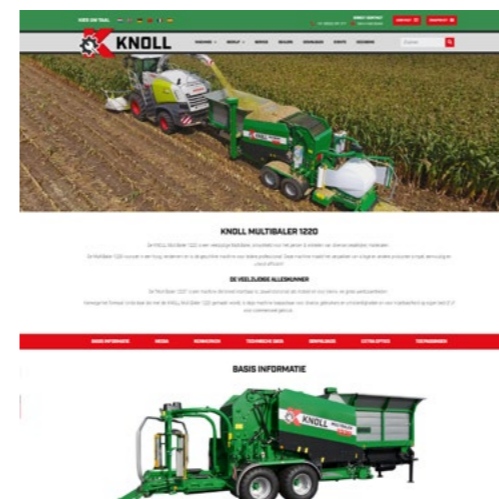
**Knoll B.V.**  
Staphorst, Holland



**Agronic Oy**  
Haäpavesi, Finland



## WEBSITE KNOLL-BALERS.COM



Would you like more information, photos and videos of the KNOLL MultiBaler 1220?

Then take a look at our website!

[www.knoll-balers.com](http://www.knoll-balers.com)

Or scan the QR code



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You also find us on:



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