



KNOLL



WE KEEP YOU MOVING FORWARD

KNOLL MULTIBALER 820



www.knoll-balers.com

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 820 is a compact machine for processing short crops & materials into 'midi' sized round bales. Midibales are ideal for users with a low feed rate and are very manageable due to their size and corresponding weight.

The 'small' powerhouse

The MultiBaler 820 is the smallest machine in KNOLL's range of MultiBalers.

Despite its size, the machine excels in performance and reliability. Many users worldwide use this MultiBaler 820 for varied work in different applications.

The base of a MultiBaler 820 is equivalent in construction to the larger MultiBalers and this makes the machine a real outlier in its class!



KNOLL MultiBaler 820

- Bale size: 85 cm (width) x 85 – 90 cm (Ø)
- Bale volume: 0,48 – 0,54 m³
- Bale weight: 200–450 kg. (depending on material)
- Bunker volume: 2.50 m³
- On-board hydraulic system with oil cooler
- Capacity: 35–45 bales/hour

Operating system



The machine is operationally controlled by a fully automatic control system. This system has been developed by our own software engineers, enabling us to optimise it for all applications.

The multilingual control programme makes it possible for almost anyone to work with this machine easily.

'On-board' hydraulic system



KNOLL MultiBalers are standard equipped with their own hydraulic system based on two oil pumps. An oil cooling system is also included.

This system enables easy drive of the machines with only a 540 rpm PTO drive.

Direct drive by 'KNOLL Electro Powerpack'



A KNOLL MultiBaler 820 can optionally be powered by a KNOLL Electro Powerpack. This is a perfect solution for stationary use at fixed (indoor) locations.

This "electric drive" saves space, produces no exhaust fumes and ensures cost-effective use of the machine.

A power pack is supplied complete supplied with housing, electric motor and switch box.

THE MOST PRACTICAL WAY OF COMPACTING MANY MATERIALS INTO ROUND BALES!

The KNOLL MultiBaler 820 is the most suitable machine to compact different kinds of materials into round midi bales. Think for example of maize, press pulp, chopped grass, straw and other high-fibre products. A high press density guarantees the best quality fodder!

KNOLL MultiBalers guarantee a high capacity (number of bales/hour). Sophisticated technology and an efficient process ensure the highest possible output.

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



2,50 m³ Infeeding bunker

A KNOLL MultiBaler 820 is equipped with a compact feed bunker with a capacity of 2.50 m³.

A bottom chain with conveyer bars moves the material towards the bale chamber. This "horizontal" method of feeding makes it possible to process many types of material without problems.

Loading the feed hopper is possible in various ways.

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 820 ensures a neat finish of the pressed bale, before it is wrapped.



Stationary & mobile use

KNOLL MultiBalers can be used functionally. Both mobile, directly in the field and stationary at a fixed location.

It is even possible to use the machine in one operation by combining it with a front- or trailed harvester.

For stationary use, a 'KNOLL Dropbunker' can be a useful tool to load the machine with a silage wagon.



Wrapping for the best quality

Good and efficient wrapping ensures the best quality bales. In the final step of the process, the bale is wrapped with film.

From the bale chamber, the bale moves to the wrapping position. This smart' movement of the bale with a KNOLL MultiBaler ensures high capacity.

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

How does the MultiBaler 820 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".

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

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 820 is fitted with two heavy-duty drive chains with 82 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.

This special chain system handles many short-cut materials and shapes them into a perfectly shaped bale.

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 sheeting for this process.

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.

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.

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.

The wrapper is equipped with a wrapping arm with two film stretchers for 500 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 820

Dimensions & Weight	
Transport length	7.00 mtr.
Transport width	2.23 mtr.
Transport height	3.10 mtr.
Wheels	295/60-15
Weight	3.650 kg
Brake system	N/A, unbraked (brake system optional)
Required power	
Required tractor power	70 Hp / 52 kW.
Bale size & capacity	
Bale size (width x diameter)	85 cm x Ø 80-90 cm
Bale volume	0.48 m ³ - 0.54 m ³
Bale weight	250-450 kg
Number of bales per hour	35-45
Feed hopper volume	2.50 m ³
Attachment & Drive system	
Attachment to tractor	Rotatable flange eye
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 500 mm film stretch units
Binding system	Filmbinding and Netbinding
Filmbreak detection system	Yes, automatic for both binding & wrap system
Extra storage of wrapping film	5 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!



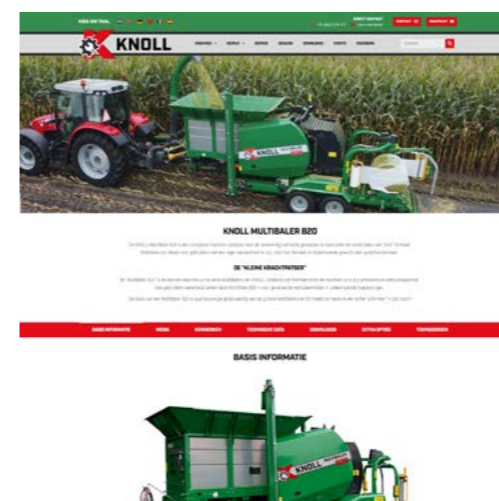
Knoll B.V.
Staphorst, Holland



Agronic Oy
Haäpavesi, Finland



WEBSITE KNOLL-BALERS.COM



Would you like more information, photos and videos of the KNOLL MultiBaler 820?

Then take a look at our website!

www.knoll-balers.com

Or scan the QR code




CONTACT




Sales office:

Knoll - Baling & Wrapping
Achthoevenweg 40
7951 SK STAPHORST
NETHERLANDS

Contact details:

 (+31) 0522 - 29 13 77

 sales@knoll-balers.com

 www.knoll-balers.com

You also find us on:



Your **KNOLL** quality partner:



Knoll - Baling & Wrapping
is part of Knoll B.V.

