



MultiBaler

820 & 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.



Quality for green fields all over the world.

Many challenges, only one machine

The MultiBalers from KNOLL are multifunctionally deployable because of their robust construction. This multifunctionality makes the machine an allrounder for everyone. MultiBalers are working worldwide to provide customers the best round bales and highest performance.

With KNOLL on its way to quality food!

KNOLL MultiBaler 1220

- Balesize variable 100 cm. (width) x 100 - 120 cm. (diameter).
- Balevolume: 1,13 m³. Baleweight 600-900 kg.
- Bunker with chain infeeding system. Bunker volume 4,0 m³.
- Own hydraulic system with oilcooling system included.
- Capacity: up to 45 bales/hour.



KNOLL MultiBaler 820

- Balesize variable 85 cm. (width) x 85 - 90 cm. (diameter).
- Balevolume: 0,55 m³. Baleweight 200-450 kg.
- Bunker with chain infeeding system. Bunker volume 2,5 m³.
- Own hydraulic system with oilcooling system included.
- Capacity: up to 45 bales/hour.



KNOLL MULTIBALER 820

The KNOLL MultiBaler 820 is a compact machine useful for the production of midi round bales.

The machine has been developed for the demanding user to compact different kind of short materials. Compacting forage into KNOLL high density bales increase the yield of milk and meat production very significantly compared to conventional bunker silo.



Profitable work with high capacity!

KNOLL MultiBalers guarantee a high capacity (number of bales/hr.). Well-thoughtful-out technology and an efficient process ensure the highest possible return.

Being owner of a machine means, paying attention to the Total Cost of Ownership. KNOLL machines are equipped with first quality parts, use low maintenance what results in a long lifetime of the machine and low operation cost per bale.



Mobile & stationary use

KNOLL MultiBalers are unique because of their versatility in use.

The MultiBalers can be used stationary but also mobile in the field direct in combination with an harvester. This is the most economic way of making bales.



Transport & logistics

MultiBalers impress by their flexibility. In a very short time the machines can be started to finish the job.

This is a very important feature for the demanding user who is working on different locations during the day.



Modern operator system

1 The machine is being operated by a modern control system, developed by our own engineers. All operating functions are being done fully automatic.

Film & netting system

3 KNOLL MultiBalers are standard equipped with film- & netting system to keep the bales in a good shape and with a high density.

Hydraulic system with oilcooler

4 MultiBalers are standard equipped with an own hydraulic system on the machine. Also an oilcooling system is included.

This makes the machines easy to use because they are only driven by the PTO of the tractor.



Baling with variable size

2 MultiBalers are equipped with a variable bale size setting. This makes it possible to make different sizes of bales in diameter. The baler chain with tight bars processes almost any kind of material.



KNOLL MULTIBALER 1220

The KNOLL MultiBaler 1220, developed for the demanding user provides an high efficient baling process. The machine has been developed on basis of technical experience and skills, which makes the machine extremely durable and produces high quality products.

KNOLL MultiBalers simplifies packaging of silage products efficiently.



How the automatic process works.

1 Loading and infeeding of material

Loose material can be loaded from the top into the bunker with a loader or crane. Optional we offer a possibility to load the machine from the ground using a trailer. This is the KNOLL Dropbunker V60120.

After loading the material in the bunker, it will be transported into the balechamber with the bottom chain system automatically. Also the speed of infeeding is regulated automatically. Different kind of materials will be infeeded with the corresponding speed.

Because of the horizontal infeeding system it is possible to feed in many different kind of materials without any problems.

2 High-density compacting

The material is being compacted in the balechamber with a volume reduction up to 50-70%.

The special chain system processes all short cut materials and forms a perfectly shaped bale with a high density.

3 Film- / nettying

A perfect film or net binding system makes the best shaped bales. The operator determines whether using the net or film binding system.

The film & film system is based on some layers of so-called mantelfilm which is binded around the bale in the balechamber and gives a very good bale density and bale shape.

Also this way of binding the bale in the baler gives a better oxigen barrier which results in a better product with higher yield.

4 Intergrated return system

Losses of material are being reduced till minimum through a return system underneath the machine.

Losses during baling are collected throughout the process. All losses are being brought back in the bunker with a vertical auger system after where it will return into the baler's hopper.

5 Wrapping with film control

KNOLL MultiBalers are equipped with a thoughtfull wrapping system. This system consists of two filmstretchers of 500 or 750 mm.

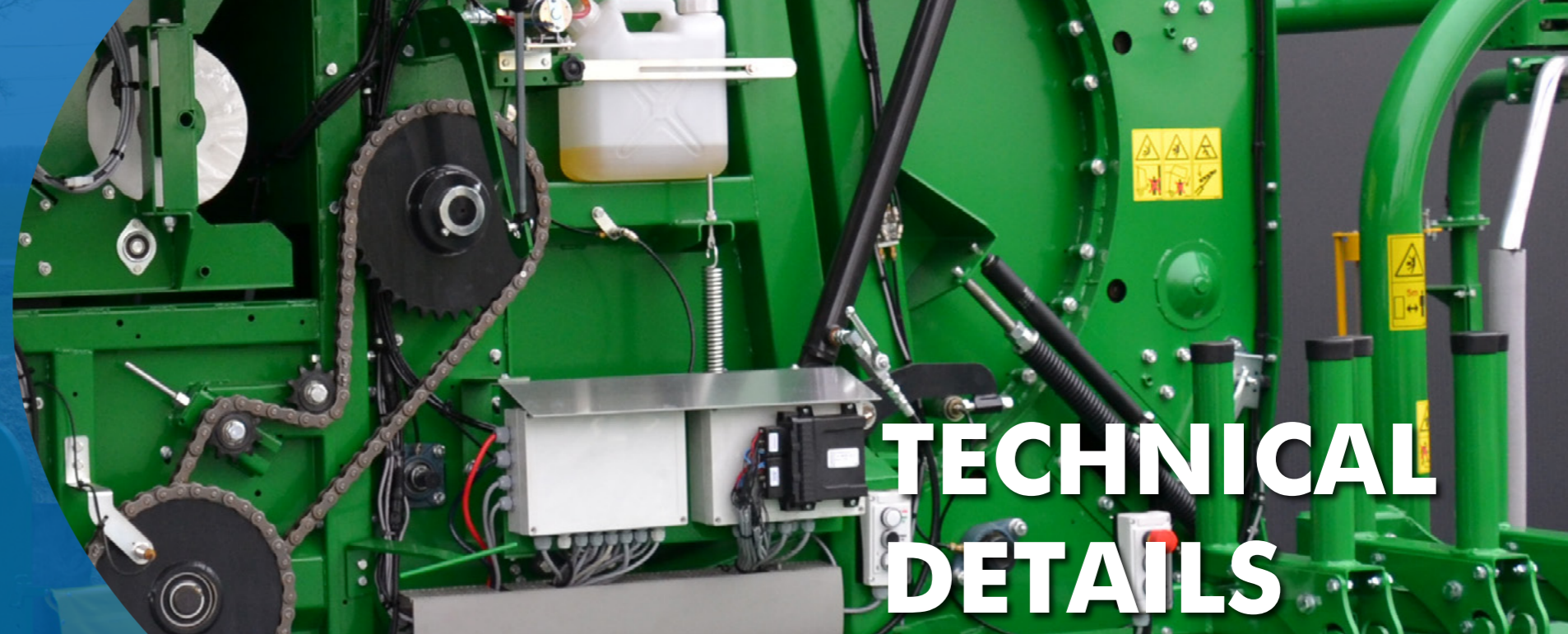
During wrapping the process is being monitored by the automatic film control system. The system reacts automatically when film break happens or when a roll is empty.



ADDITIONAL OPTIONS

KNOLL attaches great importance to meet customers expectations worldwide.

In order to meet with all requirements, KNOLL MultiBalers can be provided with additional options so that the machines perfectly match in the environment in which the performance has to be done.



TECHNICAL DETAILS

Diesel Powerpack (Only MB 820)



Cost effective operation through a direct connected diesel engine with low fuel consumption. Engine installed as a silent pack on the baler which makes use very simple as well mobile as stationary.

Dropbunker V60120



When loading capacity is a requirement. Loading volume is 2,5-3 ton. Conveyor width 1,20 mtr. Direct unloading from wagon into dropbunker.

Auto greasing system



Lincoln auto greasing system. Simply and effective greasing of all bearings and rotating parts on the machine. Full automatic, 4 liter reservoir.

Electro Powerpack



Perfect solution for stationary work on fixed location. It saves space and does not produce exhaust gasses and is very cost effective.

PDH-10 additive dosing system



Fully automatic additive system voor adding additives during baling. Pump capacity 10 l/min. Controlled and operated by KNOLL control unit.

Balehandler



Balehandler specially developed for logistic processing of midibales.

Specifications

Dimensions & weight:

Transport length
Transport width
Transport height
Volume bunker
Wheels
Weight (unladen)

Power needed:

Tractor power needed

Balesize & contents:

Balesize (width x diameter)
Bale volume

Attachment:

Attachment to tractor
PTO

Hydraulic system:

Hydraulic system specifications

Electric system:

Electric connections
Operator system

Others:

Film stretch unit
Wrapping film storage
Net/bindingfilm storage

MultiBaler 820

7.00 mtr.
2.23 mtr.
3.10 mtr.
2.50 m³
295/60-15
3650 kgs.

70 Hp / 52 kW.

85 cm. x Ø 80-90 cm.
0,48 m³ - 0,54 m³

3-point linkage, CAT. II
540 rpm.

Own hydraulic system with
double pump and oilcooler

12 volt DC
Electronic Control Unit

2x 500 mm.
5 reels
1 roll

MultiBaler 1220

8.90 mtr.
2.87 mtr.
3.10 mtr.
4.00 m³
500/50-17
6800 kgs.

95 Hp / 70 kW.

100 cm. x Ø 100-120 cm.
0,79 m³ - 1,13 m³

Drawbar with towing eye
540 rpm.

Own hydraulic system with
double pump and oilcooler

12 volt DC
Electronic Control Unit

2x 750 mm.
12 reels
1 roll



Knoll B.V.
Staphorst, Holland



***"KNOLL & AGRONIC
moving forward together,
success takes care of itself"***

A strong partnership for more than 25 years brings out the best in us.

Successful together in the development of durable and reliable machines that create added value for our customers!

Great cooperation creates great machines for satisfied customers!



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