



MidiFix II

Baler-wrapper 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 machine to do the job.

With our MidiBalers 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 MidiFix II

The KNOLL MidiFix II is our latest development in the field of MidiBalers. The MidiFix II combines the operations of baling and wrapping in one machine. In developing this new model, we asked ourselves the question, 'what does a professional user expect from a KNOLL MidiBaler?'



By developing a new machine from this point of view, we have succeeded in offering a professional machine that scores on the basis of many highlights.

A MidiFix II consists, just like the regular MidiFix, of a bale chamber equipped with 14 symmetrical chamber rollers which guarantee an exceptionally high bale density and bale rotation. The MidiFix II is equipped with a newly developed wrapper which ensures a reliable and fast bale transfer. In combination with a fast wrapper equipped with a double wrapping arm, this ensures an unmatched capacity.

The MidiFix II is a machine for professional users and is therefore perfectly suitable for users working in contract work. It does not matter what kind of product is being processed, silage, hay or straw bales. The machine is very easy to operate and is fully automatic. Also in combination with the optional film binding this machine distinguishes itself in the market segment!



Features of the KNOLL MidiFix II

- Bale size 85 cm. (width) x 90 cm. (diameter)
- Bale volume 0,55 m³.
- Bale weight 75–150 kg.
- Fixed bale chamber with 14 heavy-duty chamber rollers
- Pick-up working width 1.90 mtr.
- Infeeding rotor with 7 knives cutting system
- Hydraulic bale turner
- Capacity 50–70 bales/hour

A combination for professionals, simply the best!



Compact design

The robust yet compact design of the KNOLL MidiFix II allows the machine to be used in all conditions. The stable frame guarantees a long service life for the machine. The single-axle construction with large wheels makes the machine particularly manoeuvrable.

The low centre of gravity ensures perfect crop intake by the pick-up and excellent manoeuvrability. Thanks to the even weight distribution and single-axle construction, the MidiFix II has excellent driving characteristics, even when covering long distances.

Pick-up for maximum crop intake

Making a good midi bale starts with good intake of the basic product. Precise and short-cut feed is the basic requirement for producing quality silage. The KNOLL MidiFix II pick-up with 4 rows of tines ensures maximum intake capacity thanks to its excellent ground adaptation.

The steered pick-up with a working width of 1.90 metres is equipped with large feed augers on both sides, which ensure an optimal flow of material to the rotor, even with wide swaths. A mechanically driven crop roller is located in front of the rotor. This ensures excellent compaction of the material and increases the feed capacity.



Rotor & Cutting system

A quality product can only be delivered when the crop is cut short and efficiently. A 3-star rotor with high intake capacity is built into the feed system. With a diameter of 400 mm and welded rows of teeth, the rotor efficiently transports both large, dry swaths and short swaths to the bale chamber.

The rotor feed system of a MidiFix II has been developed for optimal feed intake in all conditions. The mechanically operated cutting device is located at the bottom of the rotor. The cutting device is equipped with 7 cutting blades. The very small distance between the rotor teeth and the blades ensures that the feed is cut precisely.



Film & Net binding system

A KNOLL MidiFix II is equipped with a net binding system as standard. Optionally, the machine can be equipped with a film binding system. A net roll can still be fitted with a film binding system. The use of cover film offers significant advantages for improving silage quality.

Cover film makes the bales more stable. Cover film and wrapping film together provide an extra oxygen barrier. Bales can be opened and recycled more easily, because the two films can be disposed of as a single waste product.

Optimal bale density

At the centre of the machine is the press chamber, measuring 85 cm x 90 cm. The press chamber is an important part of the machine. It consists of 14 heavy-duty press rollers that rotate on roller bearings. These press rollers have a special profile to create the highest possible press density. Directly behind the rotor is the special "front roller", which ensures optimal rotation of the bale, regardless of the type of crop being pressed.

The rear flap is equipped with mechanical hooks that keep the press chamber closed during the feeding process and simultaneously ensure the highest possible press density.



Wrapping of the bale

The KNOLL MidiFix II is equipped with a wrapping table that moves under the baling chamber when baling begins. Once the bale is tied, it is transported to the wrapping position without touching the ground. Direct transfer of the bale; fast, clean and without an additional loading arm. Moving the bale is easy, reliable and safe – even on sloping terrain. Bale transfer takes just a few seconds, so downtime is kept to a minimum.

The MidiFix II is equipped with a double wrapping arm with two 500 mm film stretch units. The automatic film control immediately stops the wrapping process when the wrapping film roll is empty or when the film tears. It is also possible to continue wrapping with a single film roll and automatically double the number of wraps.





Film binding system for better preservation

A KNOLL MidiFix II can optionally be equipped with a film binding system. When this is present on the machine, it is also still possible to use net. Changing film or net is just changing a setting in the control system.

The use of mantel film offers proven benefits for improving silage quality:

1) Bale density

Bales become more compact and are better protected by the film layers. Also, the presence of mantel film provides an additional oxygen barrier.

2) One type of residual waste

Mantel- and wrapping film can be processed as one residual product after the bale is opened. This simplifies the opening and recycling of film.

For proper application, a net roll of 105 cm and a mantel film roll of 100 cm should be used. The mechanically adjustable braking force system ensures tightly wrapped bales with net or mantel film.

A midi bale fits through any door!

A midi bale has characteristics that make this type of bale particularly interesting for the end user. This type of bale is constantly increasing in popularity and has acquired its 'own' place in the market.

1) Low feed rate.

Also useful for the small or hobby farmer

2) Small bale size.

Less chance of heating and mold

3) Fits through any door.

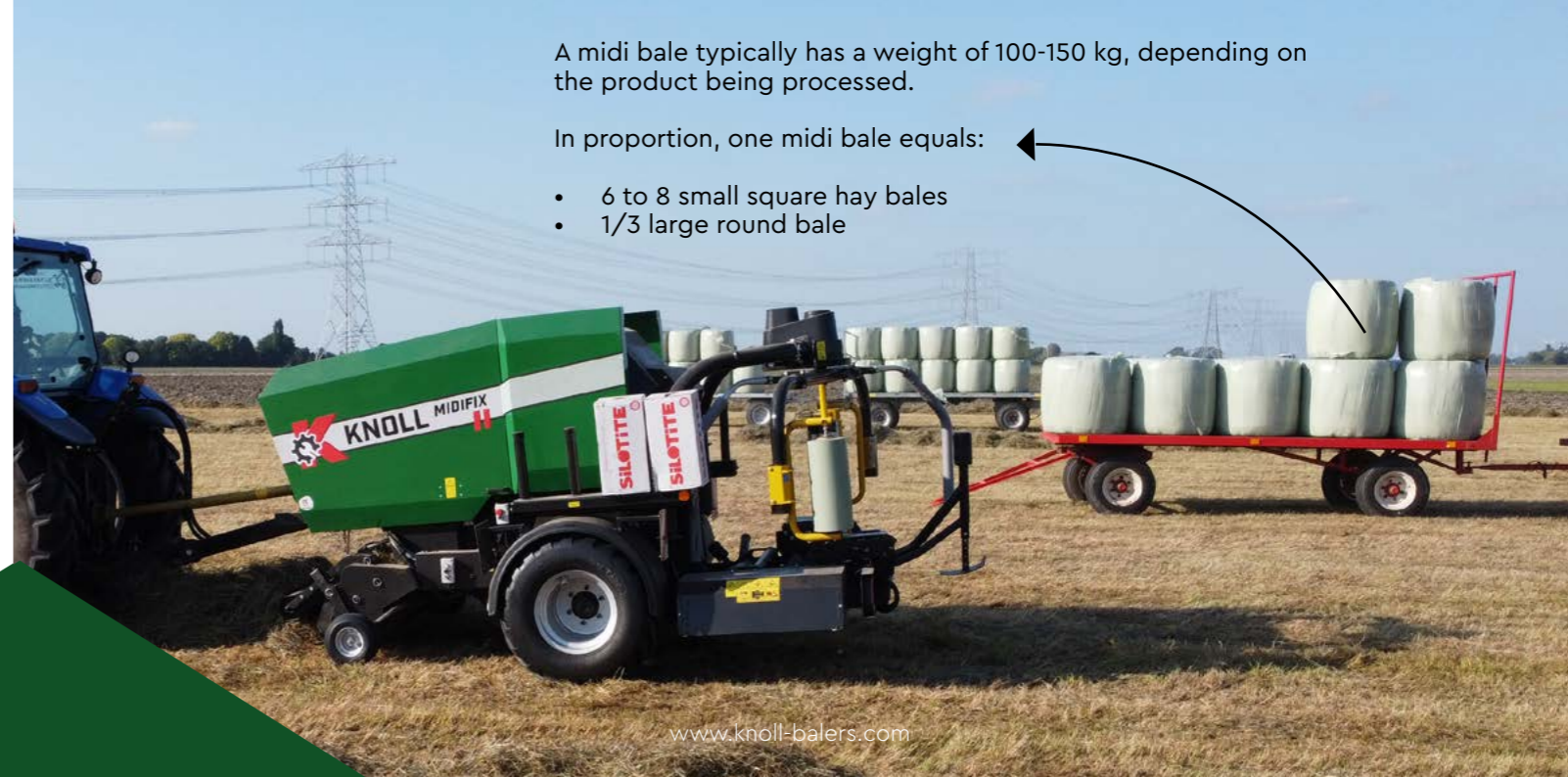
 Light weight and easy to move

4) Packaged airtight and dust-free.

Wrapped in wrapping film, long shelf life

5) Logistics.

Midi bales are easy to move and transport



A midi bale typically has a weight of 100-150 kg, depending on the product being processed.

In proportion, one midi bale equals:

- 6 to 8 small square hay bales
- 1/3 large round bale

TECHNICAL DATA KNOLL MIDIFIX II

Dimensions & Weight	
Transport length	5.30 mtr.
Transport width	2.65 mtr.
Transport height	2.15 mtr.
Wheels	500/50 R17
Weight	3.025 kgs.
Brake system	N.v.t. ongeremd (remsysteem optioneel)
Required power	
Required tractor power	90 Hp / 52 kW.
Bale size & capacity	
Bale size (width x diameter)	85 cm. x Ø 90 cm.
Bale volume	0.55 m ³
Bale weight	100-150 kg
Number of bales per hour	50-70
Pick-up	
Working width	1.90 mtr
Number of tine bars	4 (52 tines)
Feed rotor with cutting knives	Yes, incl. 7 cutting knives (mechanical operated)
Dropfloor	Yes (hydraulically operated)
Mounting & Drive system	
Attachment to tractor	a) Drawbar for lifting device, CAT. II b) Drawbar for lower / upper coupling
PTO	1-3/8" (6 splines) - 540 rpm.

Hydraulic system	
Hydraulic system	Open center hydrauliek vanaf tractor
Hydraulic connections	1 pressure connection 1/2" 1 pressure free return connection 3/4"
Load-sensing hydraulic system	Optional
Elektric system	
Elektric connections	12 volt DC & road lighting
Operator system	CrossControl 7" TFT touchscreen control (dust and water resistant)
Wrapping & Binding system	
Wrapping system	Double wrap arm with 500 mm film stretch-units
Binding system	Net binding / Film binding (optional)
Film break detection system	Yes, automatic for both binding & wrapping system
Extra storage of wrapping film (rolls)	10
Additional storage mantelfilm/net (rolls)	1





Now also available in a special edition!

At the beginning of 2024, we introduced this special edition of the KNOLL MidiFix II in a stylish black/anthracite colour. In addition, we can spray paint the machine in the colour of the customer's choice upon special request. This allows customers to receive the KNOLL MidiFix II in their own corporate style.



What do customers say about the KNOLL MidiFix II?

Jens Guttschau

Nordrhein-Westfalen
Germany

We asked Jens Guttschau about his experience with the KNOLL MidiFix II he purchased from us.

"I came across the MidiFix II by chance on the internet and was very interested in this press. So I contacted Knoll B.V.. Mr Jan and Mr Jarold Knoll were able to help me quickly and I decided to purchase this press. Delivery and instruction were arranged within a few weeks. It is a superb machine that I would recommend to anyone!"



“ It’s a superb machine
that I would recommend
to anyone! ”



■ Applications

Processing various crops and materials into high-density round bales is what KNOLL MidiBalers excel at! Our MidiBalers can be used to process grass, straw and alfalfa, among other things, into high-density, compact round midi bales.

Midi bales are smaller than traditional large bales, but offer an excellent balance between volume, weight and manoeuvrability. This makes them easier to transport, store and handle, even without large equipment. This makes them ideal for smaller businesses, horse owners, hobby farmers and contractors who value flexibility and efficiency.



Grass



Hay / haylage



Straw



www.knoll-balers.com

GLOBAL SERVICE NETWORK AND EXPERIENCED USERS

Even the best machines need servicing! KNOLL Midi and MultiBalers are in use in over 80 countries, and our service team is ready to assist all customers. Service is a top priority at KNOLL. If you are already a customer, you undoubtedly know this. We are only satisfied when you are. For us, service is not just an empty phrase, but consists of three components you can rely on.



Machines are supplied with professionally compiled user manuals and parts information.



High-quality original spare parts. Everything in stock, fast delivery.



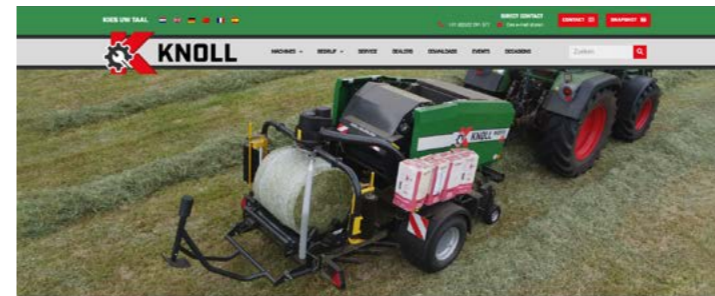
Our goal is to help you as quickly as possible. We are available through various communication channels.

www.knoll-balers.com



We keep you moving forward

www.knoll-balers.com



KNOLL MIDIFIX II
De KNOLL MidiFix II is een nieuwe ontwikkeling op het gebied van balers. Met de MidiFix II worden de bewerkingen van gras en waaier in één machine gecombineerd. Dit is een voordeel van de MidiFix II ten opzichte van de gewone MidiFix II. Het is een voordeel van de MidiFix II ten opzichte van de gewone MidiFix II. Het is een voordeel van de MidiFix II ten opzichte van de gewone MidiFix II.

BASIS INFORMATIE



- Breedte 6,0 m (breedte 4,0 m opt.)
- Behouder 5,00 m³
- Snelheid 75-100 km/h
- Bedieningsysteem met acht programma's en programma's
- 14 Heavy Duty glijplaten gebakken met ribbingspatroon
- Pick-up armbreedte 1,75 m
- Geïntegreerde pick-up en afvoer
- Kruising onder overwaaier gecombineerd met afvoer
- Dieplengte waaier van 7 m met 800x200x1000 mm afvoer
- Automatische regeling van 50% waaier waaierbreedte (afhankelijk van de waaier)
- Automatisch afvoer systeem
- Moderne controle (7 inch) voor elektronische bediening
- Automatisch overwaaier systeem voor waaierbediening
- Proportioneel bedieningsysteem voor nauwkeurig bediening van functies
- Zelfkast voor afwaaier systeem voor waaier
- Controlepaneel overwaaier gecombineerd in computer
- LED verlichting (bediening gecombineerd in computer)
- Extra knoppen op de machine voor snelle bediening van functies

WEBSITE KNOLL-BALERS.COM

Would you like more information, photos and videos of the KNOLL MidiFix II?



Then take a look at our website!

www.knoll-balers.com

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



CHECK OUT OUR YOUTUBE CHANNEL



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

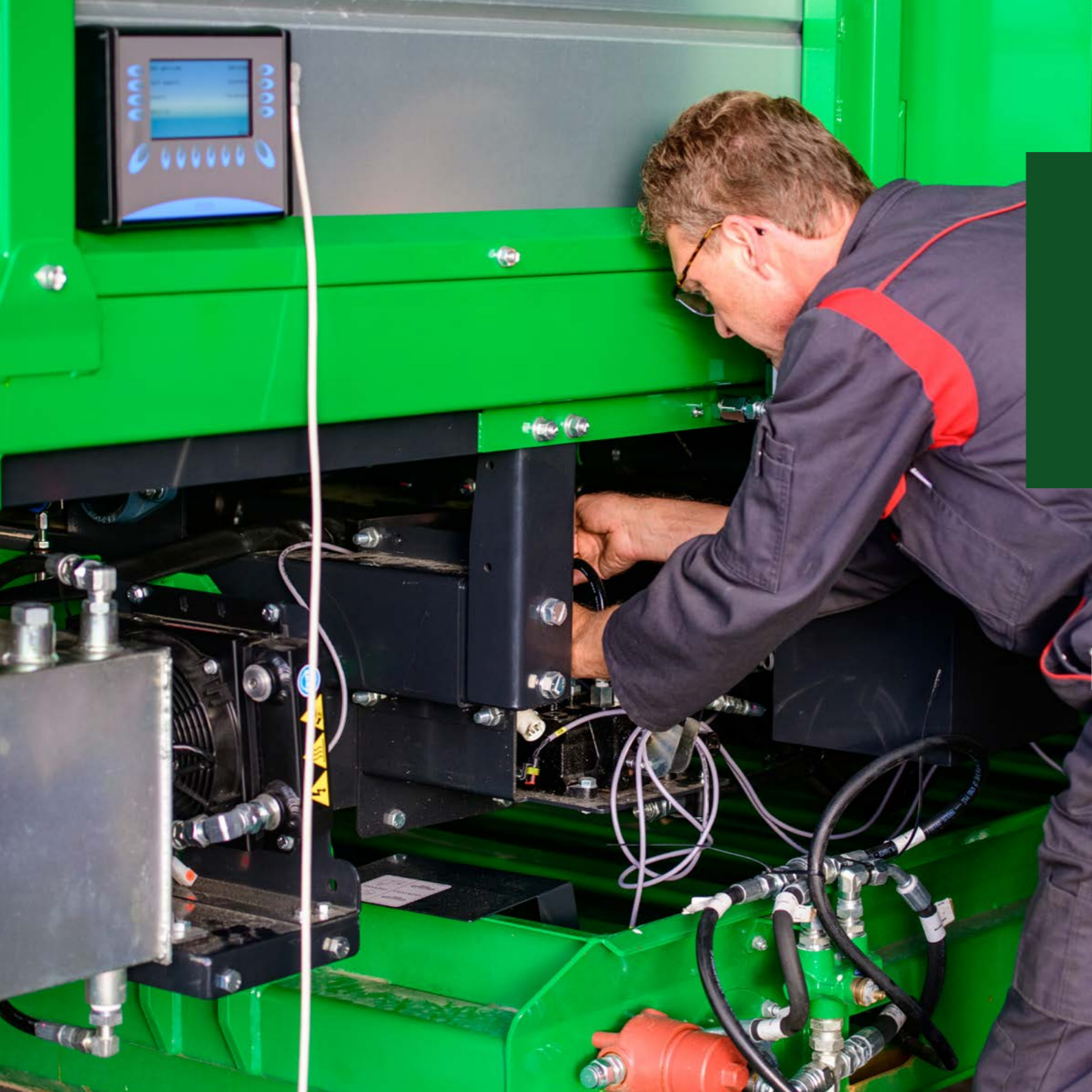


Want to go straight to the videos? Scan the QR code!

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



- Customers
- 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- & MultiBalers



KNOLL MultiBaler 820



KNOLL MultiBaler 1220






KNOLL MultiBaler XL



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You can also find us on:



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

