

GOWEIL

BALER-WRAPPER COMBINATION

VARIO-MASTER



Since 1988, GÖWEIL has epitomized excellence in the area of **bale wrapping and baling technology** thanks to a product selection of unsurpassed quality.

Other core areas of the company's activities include **bale opening and transport equipment, high lift buckets and blade sharpeners.**



MECHANICAL ENGINEERING AT THE HIGHEST LEVEL

Professional solutions for agriculture and industry

As an exceptionally high portion of their products are exported, GÖWEIL machines have become renowned and are widely used throughout the world.

After starting out as a manufacturer specializing in agricultural machinery, the company has evolved into a producer of machinery that is also suitable for industrial applications.

GÖWEIL's corporate philosophy is deeply rooted in the following values:



QUALITY.

All products are designed, developed and produced exclusively at the company's location in Kirchschlag (Upper Austria).



EFFICIENCY.

Constantly refining our product selection, we are capable of supplying cutting-edge solutions that offer premium quality and superior efficiency.



KNOW-HOW.

Our long years of experience and the close cooperation between our design and manufacturing departments are instrumental to the sophistication of our solutions.



SERVICE.

Even the best machine is in need of regular maintenance. Our service team is available to you 24/7 to take care of your concerns.



OUR SOLUTIONS:

BALER-WRAPPER COMBINATION

VARIO-MASTER

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VARIO-MASTER

DEVELOPMENT

The VARIO-Master is capable of turning a large number of materials including maize, CCM, alfalfa, sugar beet pulp, grain, mixed feed, hemp into perfectly shaped round bales. The variable bale chamber makes it possible to produce highly compressed bales with a diameter of 80 - 140 cm. The seamless work flow provides for maximum compression and quick exclusion of air.



EVEN GREATER FLEXIBILITY THANKS TO VARIABLE BALE CHAMBER

Today held in the highest esteem the world over, the baler-wrapper combination LT-Master has become an indispensable tool for the preservation of feedstuffs. Recognizing their customers' steadily increasing demand for flexible bale sizes, GÖWEIL developed the world's first variable baler-wrapper combination VARIO-Master for silage maize.

The foremost advantage of the VARIO-Master is the ability to produce bale sizes ranging between 0.80 and 1.40 m with a single machine. Apart from offering them a logistical advantage, this singular ability allows contract harvesters to rely on just one machine to cover the entire range of possible applications and perfectly adapt to the size of any operation.

The tried and true LT-Master will, of course, remain a staple in the product range and keep covering the entire range of baler-wrapper applications for maize and other small-structured materials together with the VARIO-Master solution.

OTHER ADVANTAGES OF THE VARIO-MASTER:

- Simple and cost-efficient storage as well as transport of round bales
- Straightforward production of mixed feed (TMR)
- Silage maize can be utilized as summer feed

Over the years, the range of applications for the Master series grew enormously. Since the solution GÖWEIL offers is as unique and versatile as a Swiss army knife, an ever increasing number of **finely chopped materials**, such as alfalfa, grain, sugar beets and even garbage and plastic, are shaped into round bales. Depending on its size and structure, the material compressed in the bale can be compacted by **30 % to 70 %**.

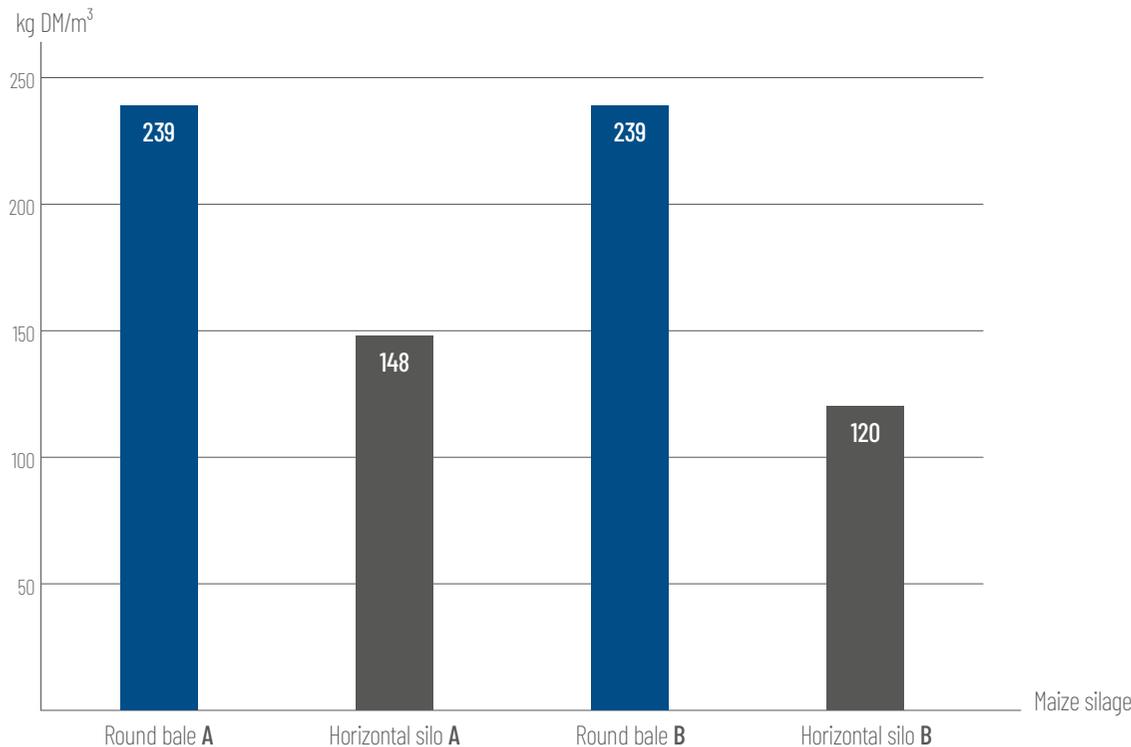
Customers requesting the machine now include large agricultural and even industrial businesses rather than just traditional contract harvesters.



UNSURPASSED FEED QUALITY

It is every farmer's desire to provide their animals with the best feed available. The use of silage offers a great number of benefits and is an indispensable part of modern feed distribution. Numerous factors have to be taken into account in order to achieve **premium silage quality**. Not only is a high degree of **feed compression** important, but also a **clean production process** and the **quick exclusion of air**. The VARIO-Master unifies these factors perfectly.

A study conducted by the Agricultural Research and Education Center Raumberg-Gumpenstein illustrates the difference in the compression of maize silage that can be achieved in a horizontal silo versus in round bales:



INFO

COMPRESSION OF THE MAIZE SILAGE

There are clear differences in the density of the maize silage:

	A	B
Horizontal silo	148 kg DM/m ³ (9 lbs DM/ft ³)	120 kg DM/m ³ (7.5 lbs DM/ft ³)
Round bales	239 kg DM/m ³ (15 lbs DM/ft ³)	239 kg DM/m ³ (15 lbs DM/ft ³)

Maize bales	Standard	Variable bale size
Diameter	1.15 m (3' 9")	0.80 - 1.40 m (2' 8" - 4' 7")
Width	1.20 m (4')	1.20 m (4')
Weight (at 29 % DM)	~ 1,100 kg (880 kg/m ³) (~ 2,400 lbs)	~ 500 - 1,600 kg (880 kg/m ³) (~ 1,100 - 3,500 lbs)
Volume	1.25 m ³ (44 ft ³)	0.60 - 1.85 m ³ (21 - 65 ft ³)

"Strikingly low in round bales of silage is the concentration of germ group 2 bacteria (spoilage-indicating bacteria: Bacillus, Micrococcus, coagulase-negative species of Staphylococcus - orientation value: 200) with values between 6.0 and 6.5 CFU/gram. This low concentration can be attributed, first and foremost, to the quick anaerobic storage of the feed."

Source: LFZ Raumberg-Gumpenstein - Pöllinger 2011

MATERIALS

Today, the VARIO-Master can be used for the most wide-ranging purposes thanks to its ability to bale and wrap an almost limitless variety of materials. And, since these materials are **harvested at different times throughout the year**, the machine is **used all year round**. This guarantees the **highest possible efficiency** and **utilization of capacity**. The most common materials at a glance:



1 MAIZE

Maize silage is made from the entire corn plant and serves as one of the most important roughage feeds for ruminants with a high milk yield. Maize silage provides particularly nutritious energy that is stored in the starch of the crushed maize kernels and is also very rich in crude fiber. This makes maize silage the ideal feed for achieving the highest milk yields and best fattening results. The quality of the feed is at a particular risk of becoming affected in temperatures above 15 degrees centigrade due to the increased activity of microbacteria. The formidable compression applied by the VARIO-Master during the baling process guarantees unsurpassed shelf life and feed quality.

2 CCM

CCM (Corn Cob Mix) is an outstanding high-energy feed that consists of the corn cobs and kernels. It is used for feeding pigs, cattle or other ruminants. CCM silage provides highly concentrated energy thanks to the added starch and offers an exceptional price-performance ratio when compared to conventional concentrate feed. Since this feed retains more of its texture than other feeds thanks to the crushing of the kernels, it is easier for the animals to consume. Thanks to their compact shape, bales of CCM silage are perfect to handle and exceptionally well-suited to be fed in small quantities as well.

3 ALFALFA

Apart from maize silage, alfalfa silage is one of the most important components in the roughage fed to cattle. High feed consumption and a particularly good structure value have their share in the significant milk yield of the cattle. Apart from guaranteeing high yields, growing alfalfa also improves the quality of the soil. However, as it is low in sugar, alfalfa is difficult to preserve using conventional methods. The VARIO-Master helps preserve the quality of alfalfa silage significantly as it excludes air rapidly and provides effective compression while pressing the material into round bales.



Compressed maize bale



Compressed CCM bale



Compressed alfalfa bale



Compressed bale of sugar beet pulp

4 SUGAR BEETS

Silages made from sugar beet pulp are known for their extremely high energy content, palatability, and digestibility. They are an ideal supplement for grass silage as they have a negative ruminal nitrogen balance and, therefore, set off the protein balance in the rumen. Pressed pulp silages are very low in lactic acid and, consequently, contain little acid overall. It is vital for the quality of the silage that it be processed cleanly while still warm and at a high rate of compression. The round bales produced by the VARIO-Master also cool down more quickly and are, therefore, ready to be fed more quickly.

5 TMR – TOTAL MIXED RATION

A TMR is made up of a balanced mix of roughage feed and concentrate feed. Dry matter portion and energy content are perfectly attuned. TM rations have a decidedly positive effect on the milk yield and the health of the animals. TMRs are prepared for storage by mixing already fermented silages and ensiling these batches again. As the VARIO-Master produces highly transportable storage TMR in a quick, easy and affordable way, it is also an ideal solution for commerce.

6 WOOD / WOOD CHIPS

Whether you are processing wood shavings, wood chips, wood wool, bark mulch, wood strands or pellets ... The VARIO-Master allows you to package all kinds of materials into compact bales. This makes both transport easier and helps save valuable storage space at the same time. The bales can be transported, stacked or loaded onto a pallet using a tractor. When pressed into a bale, the materials stay clean and dry.

7 WHOLE CROP SILAGE

Whole crop silages are usually made from barley, wheat or triticale. Their cultivation guarantees high yields and has many benefits when it comes to crop farming. However, grain contains only a very low portion of energy and is difficult to ensilage using conventional methods. As it delivers perfect compression and provides rapid air exclusion, the VARIO-Master makes producing grain silage effortless.

8 GRASS

Grass silage is the most important roughage feed for ruminants. Ideally, the feed is composed of true grasses, herbs and clover. Species of grass that are high in sugar guarantee a thorough fermentation process. As it delivers high bale density, the VARIO-Master is capable of processing grasses of all kinds even if they are high in crude fiber.

9 RDF SUBSTITUTE FUELS

A problem of increasing urgency is the storage of garbage and waste. Some materials are recycled for further processing and used as substitute fuels. The VARIO-Master offers a quick and easy solution for the storage and transport problem associated with this type of usage. The pressed bales can be transported in a space-saving manner and are ideally suited for intermediate storage. It is generally possible to shape solid waste such as plastic, household garbage, carpet flakes or even compost into round bales.

OTHER MATERIALS THAT HAVE ALREADY BEEN SHAPED INTO ROUND BALES INCLUDE

Game feed, vegetable leftovers, sugar cane, cracked corn, horse manure, apple remnants, straw, and hemp

ENSILING PROCESS

It is generally possible to process all **green feedstuffs into silage**. Besides grass silage, **maize silage** is the fodder that is most commonly used in **dairy farming**. While alfalfa or clover silages are **rich in protein**, maize silage offers the **highest energy content** next to grass silage. The following is a detailed description of the ensiling process:



THE ENSILING PROCESS

The finely chopped mass is packaged air-tight and stored. The process of lactic acid fermentation ensues as a result of the residual sugar contained in the finely chopped material and the deoxygenation. The silage becomes acidified and, consequently, preserved. Silage is a high-quality and essential feed especially for ruminants.

If the silage is too wet or contains too much residual oxygen, an undesirable result can be a high degree of acetic acid fermentation or butyric acid fermentation. This will render the silage inedible for the cattle and carries the risk of causing disease as a result of toxic excretion.

Using the VARIO-Master baler-wrapper combination allows you to eliminate several sources of danger thanks to the efficient ensiling process it guarantees:

- Formidable compression during baling translates to perfect preservation and exceptional feed quality
- Exceptionally rapid air exclusion thanks to an optimized baling-wrapping process
- Perfectly clean production work flow and, consequently, no contamination of the feed
- No risk of secondary fermentation or post-heating

HIGHLIGHTS

The **first LT-Master** was introduced on the market as early as 2004. Incorporated into the development of the VARIO-Master were the great many advantages and proven components of **GÖWEIL's wrapping technology**. Not only is a **high degree of feed compression** important, but also a **clean production process** and the **quick exclusion of air**.



ADVANTAGES OF THE BALER-WRAPPER COMBINATION

High compression

The high bale density compresses the material to its minimum volume. This helps save valuable storage space.

Machine setup

A tremendous plus! The machine is ready for operation inside of three minutes.

Ultimate control

The program control "PROF" uses a bus system to control the entire work flow in fully automatic fashion – all that remains for the operator to do is monitor the machine.

Fast and agile

The pivoting drawbar makes it possible to swivel out the machine on both sides by 30°. This guarantees a minimum turn radius and allows you to power the machine on both sides.

Well lubricated

The central lubricator supplies the most important lubrication points continuously with grease / oil. This guarantees an exceptionally long lifetime, keeping wear at a minimum.

No distance is too far

The 80 km/h (50 mph) chassis allows you to reach any site of operation fast – whether you travel there by tractor or truck [80 km/h (50 mph) chassis requires the use of a dual-line air brake system – including ABS].

Brake system

A dual-line air brake system or a hydraulic 2-circuit brake system comes standard.

Always plenty in stock

Thanks to its hydraulically folding film storage that holds up to 18 rolls of film, the VARIO-Master is ideally suited for even the longest workdays.

Perfectly lit

The LED lighting system keeps the VARIO-Master perfectly lit even if you have to work at night.

HIGHLIGHTS



1 FEEDER / DOSING UNIT

Low profile design:

Whether you use a dumper, push-off trailer, truck or direct feeding – the feeder with its width of 3.50 meters (11' 6") and its low profile design makes the filling process quick and easy.

Large capacity feeder:

The feeder provides a large buffer thanks to its nearly 13 m³ (17 yd³) volume. This large capacity prevents the VARIO-Master from coming to a standstill during feeding.

Dosing rollers and feed screws:

The rollers with their continuous profile guarantee that the material is distributed perfectly onto the sloping conveyor.

Dosing unit:

The speed of the scraper floor automatically adapts to and controls the material quantity.

Scraper floor chains:

Made by Rübigen, the galvanized, die-forged scraper floor chains on the sloping conveyor and feeder are indestructible.



CONTROL

Fully automatic program control PROFI

The execution of all work cycles is fully automatic



2 BALER

Variable bale chamber:

Two endless belts constantly subject the material to a high degree of compression. Bale diameter and bale density are set at the terminal. The round bales can be compressed with a diameter ranging from 0.80 to 1.40 meters (2' 8" - 4' 7").

Hydraulic drive of the bale chamber:

The hydraulic drive makes it possible to adapt the speed of the bale chamber to the material.

Long lifetime:

Large and tightly sealed bearings together with a perfectly attuned lubrication system guarantee the machine will last for a long time.

Net or film:

You will need an efficient binding system to preserve a bale in perfect condition. Every VARIO-Master model comes standard with a combined dual binding unit for net and film.

Refeed belt:

The refeed belt running underneath the entire length of the machine prevents any disintegration loss. Stray particles that escape during the baling process are caught and re-fed back onto the sloping conveyor without contamination.

Water injection:

Used for mixing water into dry materials during baling.

3 WRAPPER

Mobile wrapping table:

The wrapping table moves under the bale chamber and picks up the bale directly, quickly and gently.

Twin wrapping arm:

The wrapper always stays one step ahead thanks to its standard twin wrapping arm including 2 x 750 (2 x 30") mm film stretching unit. More bales per roll of film – that is the result of the patented plastic rollers.

Film monitoring unit and single-film mode:

If a film roll runs out or tears, the feed rate of the wrapping table is reduced until a 50 % overlap is reached again. This ensures the wrapping process for the bale can be completed without interruption. If both films run out or tear, the film monitoring unit will terminate the wrapping process.

Bale delivery ramp:

A gentle bale deposit is guaranteed by the hydraulically lowerable bale delivery ramp.

Automatic film cutting & holding system:

The stainless steel cutting knife guarantees that the film will be cut with utmost precision. The standard float position of the film cutter ensures that the film comes off easily and prevents any remnants from being clamped.

SETUP & PREPARATION

One of the features that lets the VARIO-Master stand out is its **short setup time** of approx. three minutes. This is a feature of no great importance especially for professional contract harvesters who often need to **change locations several times a day**. Setting up the machine is an **entirely hydraulic process**. The VARIO-Master is ready for use after only a few simple steps.



1 Correct position of the VARIO-Master with the drawbar swiveled out



2 Extending the support feet



3 Lowering the feeder



4 Folding down the panels of the sloping conveyor and the feeder



5 Folding down the bale ramp



6 The VARIO-Master is ready for use within three minutes!



IMAGE DESCRIPTION

- 1) Quick change of the wrapping film
- 2) Effortless replacement of net or wide film
- 3) Adjustment of the program settings to the material
- 4) Check the grease supply of the machine
- 5) Check the oil supply of the machine

PREPARING THE MACHINE

What is more, other usually time-consuming steps can be completed in a swift and straightforward fashion thanks to optimized details such as the following:

- Replacing the wrapping film takes no time at all thanks to the quick-release fastener.
- Replacing the net or the wide film requires only a few simple steps.
- The program control "PROFI" allows the operator to fine-tune the machine perfectly to the material at hand. A decisive advantage: the menus can be navigated in nine different languages.
- Refilling the central lubricator with grease (8 l) and oil (16 l) is effortless.

MATERIAL FLOW



Required work space

Space for the drive:
Tractor, drawing vehicle
Electric motor 1,773 x 1,323 mm (blue)
(70 x 52 in)





1 The material is loaded into the large capacity feeder



2 The material is metered perfectly and transported from the feeder to the sloping conveyor



3 The material drops from the sloping conveyor into the bale chamber



4 The bale is highly compressed inside the baler



5 The bale is picked up by the mobile wrapping table



6 The bale is wrapped perfectly and then deposited

BASIC MODEL

Quick, easy and fully automatic. Each minute detail contributes to a **perfect flow of material**. The VARIO-Master scores high in this department thanks to its first-rate **throughput**. The following is an overview of the **equipment options** available for the baler-wrapper combination:



BASIC MODEL

Twin wrapping arm

Variable bale chamber for bale diameters of 0.80 - 1.40 m (2' 8" - 4' 7")

Dual binding unit for net and film

On-board hydraulic system with oil cooler

Two belts for tight compression of the material

Refeed belt to prevent the disintegration loss

Integrated feeder [working width 3.50 m (11' 6")]

Hydraulically actuated wrapping table

4 bale conveyor belts including belt guide and 2 bale guide rollers

Bale deposit towards the front via hydraulic bale delivery ramp

Height-adjustable drawbar

Film stretching unit 500 mm (20") and 750 mm (30") combined with overlap adjustment

Automatic film cutting and holding system

Film monitoring unit

Single-film mode

Tandem axle chassis with suspension and tires 385/50 R22.5

Hydraulically lowerable film storage for up to 18 rolls of film

LED working headlight

Dual-line air brake system [for up to 80 km/h (50 mph)] or hydraulic 2-circuit brake system - with emergency brake valve and accumulator

Camera system

The four cameras are positioned such that they afford you a clear view of the top of the bale chamber, the sloping conveyor, the wrapping table and the rear of the machine at all times.

Water injection for bale chamber

Consists of solenoid valve, tubing, and adjustable nozzles. For mixing water into dry materials.

Additional radio remote control for bale deposit

Fully automatic central lubrication system for oil and grease

Fully automatic program control PROF1

The execution of all work cycles is fully automatic



IMAGE DESCRIPTION

- 1) Combined dual binding unit for net and film
- 2) Variable bale size of 0.80 - 1.40 m (2' 8" - 4' 7")
- 3) Water injection for bale chamber
- 4) Camera system with 4 infrared cameras
- 5) Radio remote control for the bale deposit

DETAILS OF THE BASIC MODEL

Dual binding unit for net and film

The VARIO-Master comes standard with a combined dual binding unit. This allows for the simultaneous or combined insertion of two rolls of net or two rolls of film.

Variable bale chamber

Always the right dosing! The variable bale chamber ensures that the round bales are always matched perfectly with the required feed quantity. The bale size is infinitely variable between 0.80 to 1.40 meters (2' 8" - 4' 7").

Water injection for bale chamber

Instrumental to a tight compression of the material and perfectly shaped bales is the right dry matter and moisture content of the material. If the material is particularly dry, the water injection unit can be used to add water directly in the bale chamber.

Camera system

Composed of four infrared cameras, the camera system provides the operator with a perfect view of the entire work flow and of the area all around the machine - both night and day

Additional radio remote control for bale deposit

The compact radio remote control operates wirelessly and initiates the bale deposit of the fully wrapped bale. The radio remote control is small enough to fit in the user's pocket, allowing them initiate the bale deposit from anywhere.

ADDITIONAL EQUIPMENT

Its **versatility** is one of the key advantages of the baler-wrapper combination. This is why GÖWEIL offers a large selection of **additional equipment** that can be paired with it. This makes it possible to tailor the machine to the specific needs of the customer.



Weighing system with four integrated load cells – available as calibrated and non-calibrated versions



Display in the switch panel



Label printer (top) and adhesive label on the round bale (bottom)

ADDITIONAL EQUIPMENT

Electric drive

Consists of a 90 kW (120 hp) electric motor with soft starter. Complete with switch cabinet, wiring, base with forklift slings, emergency switch and main switch
Required connection for electric motor: 400 V/50 Hz, CEE 125 A, protection class IP55

Weighing system, non-calibrated

Consists of weighing table, display and label printer

Weighing system, calibrated

Consists of weighing table, display and label printer

Bale delivery ramp with bale tipper

The bale can be set down gently on the face side (left or right), or forward

Silage additive dosing unit

LSP junior NK (acid-resistant), pump with filter, electronic flow meter Dosistar VD 390, 2 nozzles 0.1 in stainless steel design plus suction hose for extraction from tank.
 Attention! Tank not included

Silage additive tank

450 liter stainless steel tank mounted on the machine

Drawbar eye types: A, B, C, D, E, G

COUNTRY-SPECIFIC EQUIPMENT

Rotating light

Typification

DETAIL OF ADDITIONAL EQUIPMENT OPTIONS

Weighing system

The four load cells are integrated directly into the wrapping table. The display is installed into the switch panel. The weighing process of the bales is automatic, thereby preventing any delays in the work flow. The bales can be weighed individually or evaluated as a complete batch. Setting the different options using the terminal is exceptionally easy. The label printer can be used to print such information as the weight of the bale, the date, the time as well as a recorded logo. If labels are not required, this function can be switched off at the terminal. Adhesive labels and the writing tape are commercially available goods and can be purchased at specialized dealers. It is possible to retrofit existing machines with the weighing system.

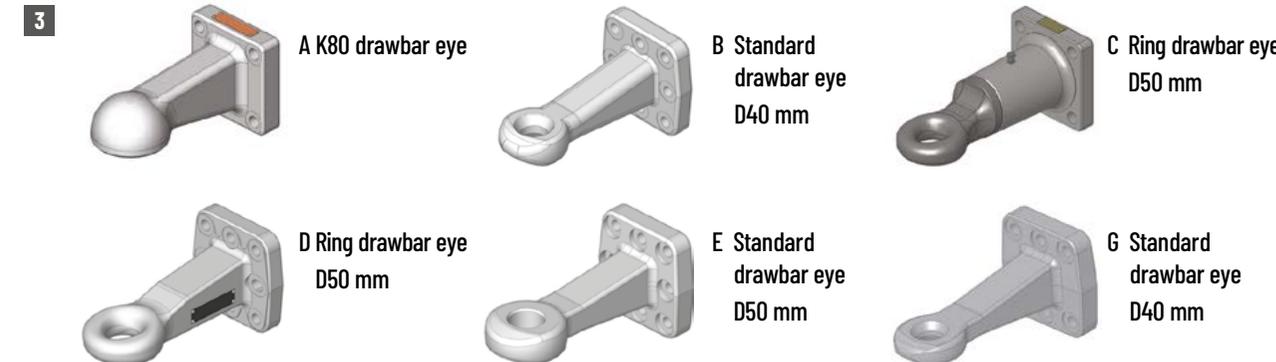
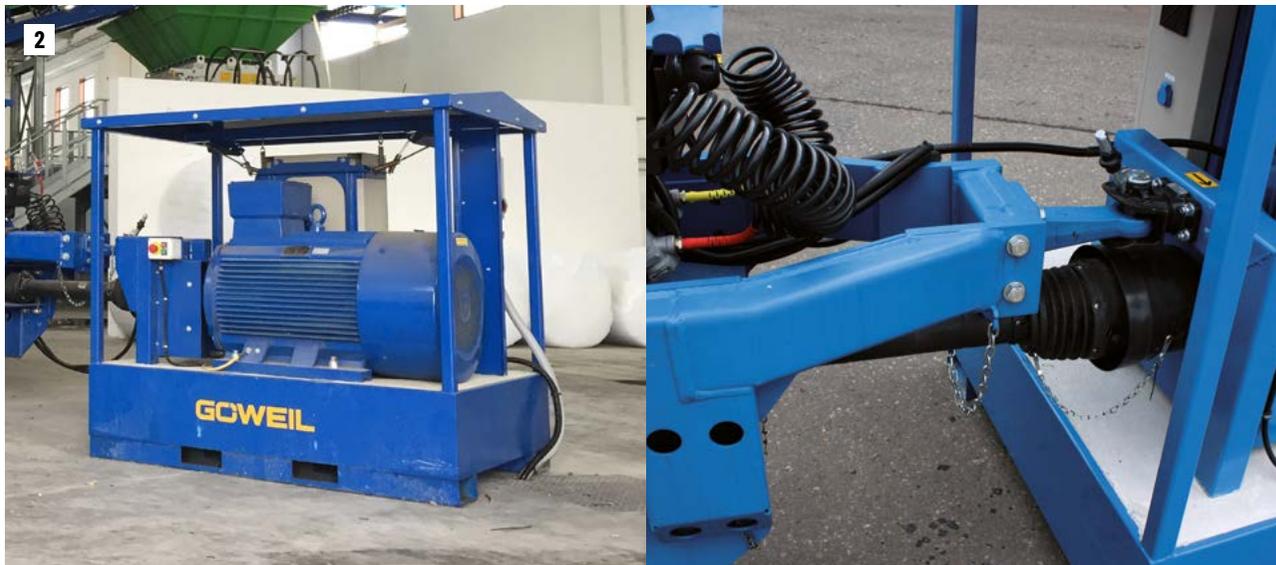


IMAGE DESCRIPTION

- 1) Bale delivery ramp with bale tipper
left: bale tipper enabled
right: standard controlled bale deposit with bale tipper disabled
- 2) Electric drive with switch cabinet and cardan shaft
- 3) Drawbar eye types for VARIO-Master

Bale delivery ramp with bale tipper

Integrated into the bale delivery ramp, the bale tipper makes it possible to drop the bale gently either to the left or the right. If the tipper is deactivated, the bale will, by default, be unrolled towards the front. Since stored on the face side, the bales can be removed in a faster and more gentle way.

Electric drive

Powered by a cardan shaft, the drive can also be used with a tractor at any time. The motor generates very little noise during operation and keeps the cost of operation very low in order to steer clear of the high prices of fuel. The electric drive not only saves space but produces no exhaust gases, also making it a good solution for operation in halls. Nonetheless, its cover makes the electric drive also suitable for outdoor use (temperature range: -15 to +60 °C). Maintenance costs are very low, and the electric drive is easy to transport thanks to the base with forklift slings. The electric drive is equipped with a soft starter. This feature significantly reduces initial voltage peaks and the starting torque. This helps save power and puts less strain on drive, shafts, and gearbox.

Power: 90 kW (120 hp)	Voltage: 400 V	Frequency: 50 Hz
Protection class: IP 55	Power input: max. 125 A	Drive: 740 rpm
Weight: 2,970 kg (6,550 lbs)	L x W x H: 1,773 x 1,323 x 1,652 mm (70 x 52 x 65 in)	CEE 125A

Drawbar eye types

A K80 drawbar eye Ball coupling	B Standard drawbar eye D40 mm acc. to DIN 11026, ISO 5692-2	C Ring drawbar eye D50 mm rotatable (hitch ring) / DIN similar to 9678, ISO similar to 5692-1
D Ring drawbar eye D50 mm rigid (hitch ring) / DIN similar to 9678, ISO similar to 20019	E Standard drawbar eye D50 mm Truck drawbar eye / DIN similar to 74053, ISO similar to 1102	G Standard drawbar eye D40 mm Truck drawbar eye / 30 mm thick / DIN similar to 74054, ISO similar to 8755

ADDITIONAL EQUIPMENT

Another standout feature of the VARIO-Master is its **silage additive dosing unit**. This additional equipment helps create the hygienic conditions necessary for the **processing** and **storing** of forage.

DETAIL OF ADDITIONAL EQUIPMENT OPTIONS

Silage additive dosing unit

Several factors are of decisive importance for achieving good ensiling results:

- The material's suitability for ensiling
- Compliance with the rules for ensiling (time to harvest and withering, cutting length, impact force of the ensiling chain, compression and exclusion of air)
- and the weather conditions

Unless all of these factors line up perfectly (e.g. on account of periods of poor weather conditions), silage additives are supposed to substantially improve the ensiling result as they help avoid noxious fermentation and reheating processes.

A self-sucking pump with filter and electronic flow meter is used to inject the silage additive directly into the bale chamber via two stainless steel nozzles. This ensures that the silage additive is distributed perfectly in the feed of the round bale. The automatic dosing unit is suitable for both lactic acid bacteria and minimally corrosive acids.

Notice: no tank is included in the scope of delivery.

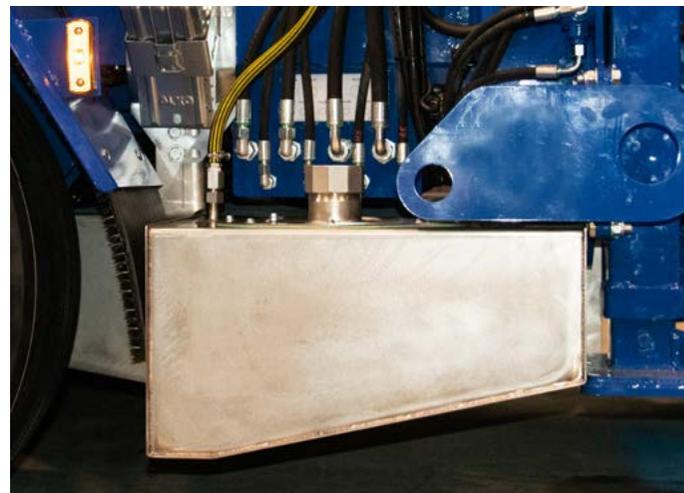
Attention: After use, the silage additive dosing unit must be rinsed with water on a daily basis.



Pump with filter, inspection glass and electronic flow meter



Two nozzles with a 0.1 stainless steel design



450 l silage additive tank

Silage additive tank

The 450 liter stainless steel tank is mounted directly to the machine and provides for complete emptying.

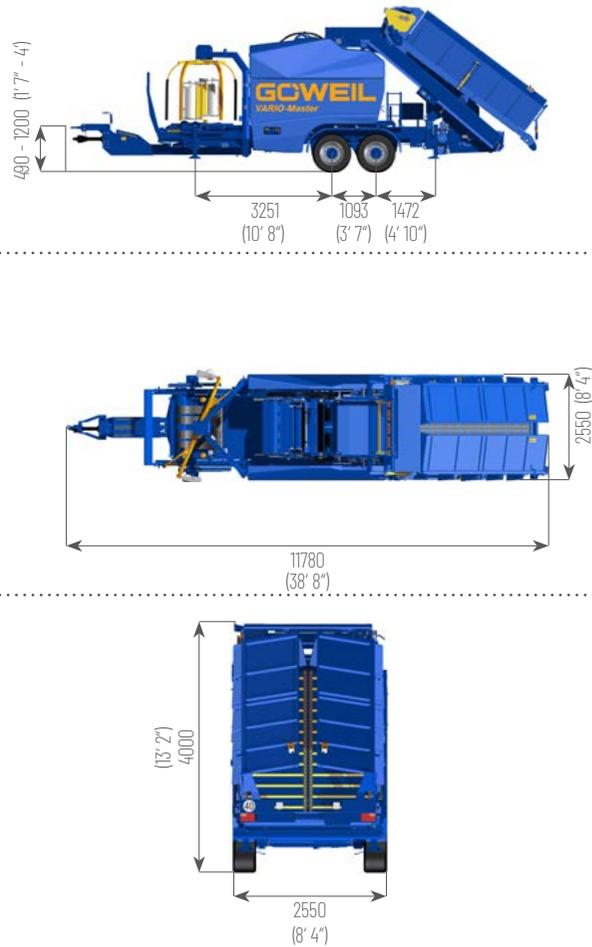


Display

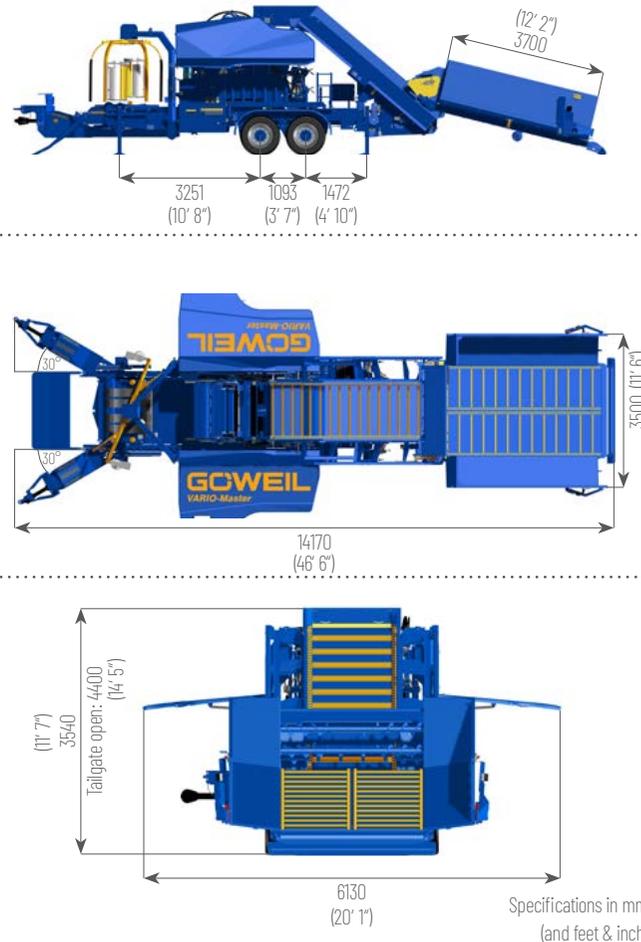
TECHNICAL DATA

The following shows the technical data for the basic model of the VARIO-Master – on the left, in **transport position**, on the right, in **work position** – at a glance:

TRANSPORT POSITION



WORK POSITION



TECHNICAL DATA

	Transport position	Work position
Weight	15,900 kg (35,050 lbs)	
Length	11,780 mm (38' 8")	14,170 mm (46' 6")
Width	2,550 mm (8' 4")	max. 6,130 mm (20' 1")
Height	4,000 mm (13' 2")	max. 4,400 mm (14' 5")
Round bale diameter	from 0.80 to 1.40 m (2' 8" - 4' 7")	

POWER REQUIREMENT OF THE TOWING VEHICLE

Oil requirement (pivoting drawbar)	10 l at 200 bar
Power requirement	at least 90 kW (120 hp)

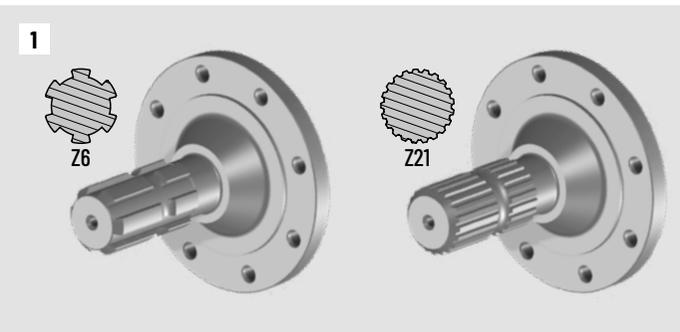
Specifications in mm
(and feet & inch)

REQUIRED CONNECTIONS

To ensure that the **operating sequence runs smoothly** between the tractor and the VARIO-Master baler-wrapper combination, we have prepared an overview of all **required connections**:

IMAGE DESCRIPTION

- 1) Cardan shaft connection (Z6 or Z21)
- 2) ISOBUS outlet for the electrical system
- 3) Brake connection for the dual-line air brake system
- 4) Brake connection for the hydraulic 2-circuit brake system
- 5) 7-pin power outlet
- 6) Adapter for truck
- 7) ABS



CONNECTIONS NECESSARY FOR OPERATION

- 1 double-acting and 1 single-acting control device for the pivoting drawbar
 - Cardan shaft connection: Speed: 740 - 1,000 | 1 3/8" Z6 or 1 3/8" Z21
 - ISOBUS outlet for the electrical supply to the machine
- A supply cable is included with the machine.**

BRAKE CONNECTIONS

- Connections for dual-line air brake system or
- Connections for the hydraulic 2-circuit brake system

TRANSPORT CONNECTIONS

- A 7-pin power outlet for the entire lighting system, excluding working headlights
- Adapter for truck: 24 V | 7-pin | 15-pin (optional)
- ABS

SERVICE

Even the best machine is in need of regular **maintenance**. Our service team is available **24 hours a day - 7 days a week** to take care of your concerns. Whether on the phone, via email or for you on site. It is our goal to process your request as fast as possible so that you can get back to focusing on your work.



GÖWEIL SERVICE

24 h a day - 7 days a week

SERVICE HOTLINE: **+43 (0) 7215 / 2131-5**

Languages: German, English

SERVICE EMAIL: **SERVICE@GOEWEL.COM**



24 H TELEPHONE SERVICE

You can reach us around the clock,
whenever you need a reliable partner!



ORIGINAL SPARE PARTS

We deliver your spare parts and
wear parts within a very short time.



TECHNICAL DOCUMENTATION

In our operating manuals you will find
all the important information concern-
ing your machine.



TRAINED AND QUALIFIED PERSONNEL

Our exquisitely trained and qualified
personnel are there to give you help
and advice whenever you need it.

GÖWEIL

GÖWEIL Maschinenbau GmbH

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