

MORE VALUE  
**FOR YOUR FIELD**

**KAWECO**



KAWECO PROFI III  
**MORE VALUE** IN THE FIELD

# OUR COMPANY REESINK PRODUCTION BV

## FOCUS ON ADDED VALUE

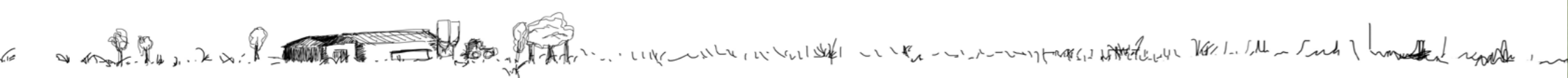
Reesink Production BV is responsible for the production and sales of KAWECO and part of Royal Reesink BV. KAWECO has been building agricultural machinery for more than 60 years, with a focus on the added value for the customer, such as slurry tanks and applicators that deliver great work through their technology. All our machines are built in-house in Hengelo (GLD.).

KAWECO originated from the passion for agricultural machinery. We share this passion with the customer. We take care of the soil and the entrepreneur. Reliable, fast and efficient, so that the right action can be taken at the ideal time. In our philosophy, every machine must first and foremost be of value for the land. As a result, a KAWECO machine provides added value for the soil, for the crops and for the entrepreneur of today and for future generations.

In order to meet our customers' needs and to be able to produce efficiently, the KAWECO machines are built in a modular fashion. All machines (both series and specials) are produced exclusively on demand in a well-equipped production location with the help of modern techniques and experienced professionals. Both sheet metal work, welding work and paint work are done locally in the Netherlands. This is how we guarantee the quality of our products. KAWECO machines are built with quality in mind. This means that only quality components are used in production.

Reesink Production strives for a long-term partnership with its customers, based on mutual respect.

The Reesink Production management team.





# I PROUDLY INTRODUCE YOU TO ROYAL REESINK

## *ENABLING YOUR BUSINESS*

More than two hundred years ago, Royal Reesink was founded by Hendrik Reesink, a pioneer and entrepreneur who thought outside the box. He realized at an early age that customers need the best quality, service and convenience. That has remained Royal Reesink's trademark over the centuries. Royal Reesink is now one of the largest, and still fast growing, distributors of machines and components internationally.

Royal Reesink consciously opts for a wide range of machines and products. Characteristic of Royal Reesink's brands is that they are leading on matters such as "total cost of ownership", lifespan, user-friendliness, comfort, safety and high residual value. Royal Reesink supplies through dealers or directly to agricultural companies, forestry and landscaping companies, public green areas and golf courses, logistics centres, industrial and construction companies, contractors and (local) governments. In the food, non-food, industry, transshipment (ports), agri, civil engineering and hydraulic engineering sectors. Royal Reesink also supplies hydraulic components and systems that are partly complementary to the machine range.

Being distinctive in terms of service, quality and customization. That is the unity in the diversity of our companies. Intensive cooperation is central to being able to offer the best solution.

Gerrit van der Scheer  
CEO Royal Reesink BV



# ADDED VALUE OF THE **PROFI III**

The luxurious PROFI III is the best of KAWECO among the tandem and tridem tanks. The PROFI III is characterized by its robust construction with a frame manufactured from UNP beams. The customer's specific structure and the many options are also characteristics of this tank, which can also be equipped with a shift axle. The PROFI III is the tank that is always built specifically to customer's wish to meet all requirements. This means more value for your company!



## **SOLID CONSTRUCTION**

The solid construction of the tanker makes it possible to add almost all options to the tank. The tank is mounted on the chassis by means of twist-locks. This makes the PROFI III solid and usable for any type of business without making concessions in user-friendliness or usability.



## **VERY COMPLETE AS STANDARD**

KAWECO strives to produce high-quality products with great reliability and optimum efficiency. With the PROFI III this manifests itself especially in the very complete standard equipment with for example flow meter, stone catcher, Load Sensing and Müller computer. The category 3 hitch is also prepared for tough work.



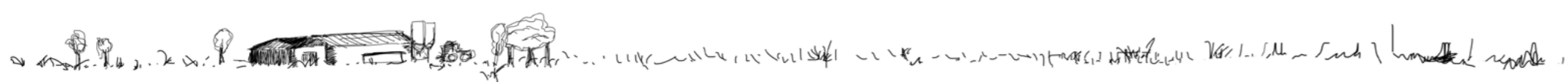
## **LARGE CAPACITY IN COMBINATION WITH WIDE INJECTORS**

The UNP chassis of the PROFI III creates a good basis for the construction of wide injectors to widths of 27 meters or more. This unique construction ensures that the tractive power of the tractor is only transferred to the applicator through the chassis. This in combination with the standard luxury tank with rotary piston pump and travel speed-dependent dosing guarantees optimum user comfort with maximum capacity.



## **ON CUSTOMER REQUEST**

The PROFI III is characterized by the very broad customer-specific option package. For example, a customized PROFI III is drawn and produced based on the needs of the customer, taking into account all the wishes of the customer. The PROFI III tank can be used as a transport tanker, but also in combination with large applicators.





# STANDARD EQUIPMENT **FOR RESULTS**

## **STABLE CHASSIS, MAXIMUM SAFETY AND COMFORT**

A PROFI III is standardly fitted with a hydraulic axle suspension and a load-independent suspension system. Optimum suspension regardless of the weight is always guaranteed by means of 2 accumulators. This ensures perfect driving behaviour and comfort, but also for maintaining the attached implements. The chassis is made of indestructible UNP profiles. The tank is mounted on this by means of twist-Locks. This construction ensures that all forces of the hitch are transferred to the chassis, and not to the tank itself. This results in a lighter net weight of the tank.

## **WELL THOUGHT THROUGH SLURRY PIPING**

A large pump capacity is essential when applying slurry. A large slurry pump can make the difference, but the slurry piping is also of great importance. Thanks to the experience of KAWECO, the pump and the placement of the pump are central. With the PROFI III, the pump is therefore mounted centrally under the tank and is mechanically driven. The slurry piping is as short as possible and contains few right-angled bends, so the pump can guarantee its maximum capacity at all times. The tank also has a stone catcher as standard to guarantee a continuous process during the application.

## **LESS SOIL PRESSURE, MORE CONVENIENCE**

The PROFI III tanks from KAWECO can be fitted with tires of 1800 mm high and a width of 800 mm, all of which results in a large tread and little ground pressure. The tanks can also be equipped with options such as a shift axle and an air pressure system. KAWECO delivers more value for your work and offers an optimal customer experience by leaving beautiful work in the field.

## **KAWECO OPERATION, MAXIMUM EASE OF USE**

All PROFI III tanks are controlled as standard with the KAWECO premium control. This operation is characterized by a large number of options and a clear operation. This comes standard with a multifunctional joystick with 24 functions and a 5.7 "Basic Terminal. Optionally, an 8" or 12 "Touch Terminal can be chosen here, with many options for GPS control, for example (See Precision fertilization). Also, the joystick is available in the PRO version, which has a proportional x and y axle. The KAWECO premium controls mean you can start and stop the complete loading or unloading cycle by a single push of the button.



Scan the QR code for a video of Lohnunternehmen HESS,  
Contractor in Luxembourg with their KAWECO PROFI III.

# POWERFUL CONSTRUCTION OF THE **PROFI III**

## POWERFUL CONSTRUCTION

As stated, a PROFI III is equipped with an independent chassis. The powerful basis that this construction brings makes the tank a perfect contracting machine. When maximum capacity and reliability are required under tough conditions, the PROFI III is the right choice.

This structure makes it possible to add on many options. In this way the frame and the space are optimally used to conceal manure pipes and components. The frame also provides sufficient rigidity to add options such as a shifting axle to the tank. The PROFI III drawbar is prepared as standard for a top pressure cylinder. The steering cylinder of the tank is safely incorporated in the drawbar and has various adjustment options to adjust the aggressiveness of the steering.

## VERSATILE CONSTRUCTION OPTIONS

The construction makes it possible to attach a heavy 3-point linkage. With this lift it is possible to work with heavy fertilizers. This makes the PROFI III versatile, both on arable land and on grassland. The PROFI III can also be equipped with a wide drag hose / foot manure. Without a hitch, the tank is ideally suited to be used as a transport tank. The separate chassis makes driving on the road no problem for this tank, the power is transferred indirectly to the tank, which means that cracks of structures are excluded.

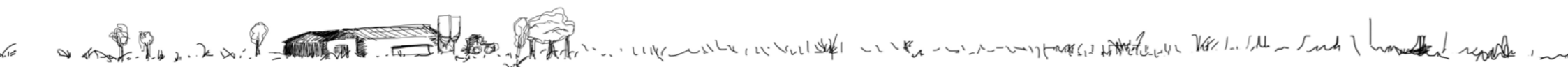
## PRECISE APPLICATION

You can precisely dose the slurry with the PROFI III PTW tanks. The standard BY-PASS system continuously adjusts the amount of manure to the driving speed. This consists of a flow meter combined with electronically controlled 8" hydraulic gate valve.

During the filling of the tank, the gate valve is fully opened to support the filling capacity.

The three-way valve on the rear of the tank is switched while turning at the headland. At the start of the next working run, the injector immediately receives slurry again.

Working with the three-way valve offers many advantages in this way. Not only is this significantly increasing the filling capacity, the injector also immediately receives slurry at start-up. In addition, the slurry is always mixed during turning, this prevents blockages with substances with a high dry matter content.





EKO FRONT-UNIT

SHIFT-AXLE

FILLING ARM

WEIGHING & SAMPLING

## VALUABLE OPTIONS

### FILLING ARMS

A wide range of suction arms can be built on the PROFI III series tanks. There is a choice between standard suction arms and docking arms, but also swing arms or crane arms. In many cases the suction arms are equipped with a maxi filler. There are also many options available for extra side connections. In this way the PROFI III can be put together to meet every customer's wishes and can also be used as a transport tank.

### WEIGHING AND SAMPLING

Due to the unique independent construction of chassis and tank, all PROFI III tanks can be equipped with a weighing system and a sample cabinet. The robust load cells are placed between the chassis and the tank by means of a special assembly. As a result, the height of the tank and the construction of the slurry piping are not affected.

### ON-BOARD HYDRAULIC SYSTEM

Your KAWECO tank can be equipped with an on-board hydraulic system. A Load-Sensing hydraulic pump is driven through the PTO shaft of the tractor, which in turn drives the manure pump and other tank components. The dosing of the manure to the injector will be done by changing the speed of the pump, as a result of which the standard By-Pass system is not needed anymore. An on-board hydraulics can only be supplied from the factory and makes it possible to quickly adjust the dosage for the use of section closure. The system also is far more fuel efficient, while you don't pump around unnecessary slurry and the tractor can run his optimal RPM.

### KAWECO EKO FRONT-UNIT

In combination with the PROFI III, the tractor can also be equipped with the KAWECO EKO FRONT-UNIT. This front unit makes it possible to dock at the transport tank or truck at the front side of the tractor. The EKO unit is robust but lightly built to protect the soil. Because the injector does not have to be folded in for docking, the application capacity increases considerably.

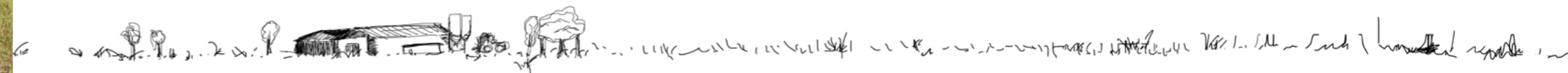
### SHIFT AXLE

As a progressive manufacturer when it comes to soil pressure, KAWECO offers a solution to lower and improve the soil pressure for all its slurry tanks. For this reason, KAWECO already has a lot of experience when it comes to extending axles. For the PROFI III tanks, KAWECO offers the option of extending the front or middle axle.

### AUTOMATIC GREASE LUBRICATION

To reduce maintenance and extend the service life, it is advisable to equip your KAWECO tank with automatic grease lubrication. KAWECO uses professional systems that are assembled with the utmost precision. An automatic lubrication system can be supplied afterwards on all KAWECO tanks.

	PROFI III PTW TANDEM	PROFI III PTW TRIDEM
NET. CONTENT	16.300l - 18.500l - 20.260l - 23.200l	23.000l - 25.000l - 30.000l
TARE WEIGHT	8.050kg - 8.275kg - 8.400kg - 9.150kg	10.305kg - 10.300kg - 10.700kg
DIMENSIONS	ø 1.900 x 5.600mm - 2.200 x 6.000mm	ø 1.900 x 8.000mm - 2.200 x 8.000mm
UNDERCARRIAGE	Hydraulic pendulum	Hydraulic pendulum



# KAWECO PRECISION FARMING

## KAWECO NIR-SENSOR

Site-specific fertilization and knowing what you spread on your fields became an important issue in modern day farming due to changes in legislation amongst others. In the future, even more attention will be given to precision farming and site-specific fertilization. That is why KAWECO is here to provide you with the right techniques to enable you to work in a sustainable way.

The weighing and sampling system currently used on transport tankers, only offers you information afterwards about what you spread. This information cannot be used directly during fertilization. Measures with the usage of a NIR-sensor can be the right solution to provide you with real-time data. KAWECO can help you make your business operations more sustainable through NIR-measurements.

By means of the KAWECO NIR-sensor, the KAWECO slurry tankers are able to fertilize according to the measured additives (according to the number of additives in the slurry, instead of the cubic meters of slurry). The KAWECO NIR-sensor is DLG approved for 4 of the 5 additives measurable.

What does the NIR-SENSOR measure?

When filling the tanker, the amounts of the following additives are measured:

- Dry matter
- Phosphorus
- Nitrogen
- Ammonium
- Potassium

## WHAT DOES THE NIR-SENSOR OFFER YOU?

According to the measured value's, this sensor is able to calculate how much of all the additives are present in the slurry. Then you are able to choose if you want to apply according to the amount of slurry or according to the amount of a certain additive per acre. This enables you to work far more precise than with the current way of working. Differences in slurry-compositions are large and one tanker full of slurry shouldn't be treated the same as the other.

Working with task-cards for site-specific fertilization is also amongst the options. The data from the NIR-sensor will be exported to the Müller computer in the tractor, which enables you to extract the data and tells you how much slurry you spread and how much of the additives you spread where.

## GPS OPTIONS

By means of the Müller computer it is also possible to work with section-control and headland management, for optimal usage of the slurry without creating overlap. This is often done in combination with an on-board hydraulic system to be able to control the pumping capacity precisely and fast.

When working with section control, the applicator is being divided into different sections. GPS determines which sections must be opened or closed. Applying parts of the field two times becomes unnecessary. This way you can deliver even tidier work in the field with an optimal usage of the slurry.

The headland management function enables you to lift the applicator or stop spreading at the exact same moment every time you reach the headland, to create a neat job and leave the field looking perfect.

## SAVING GPS DATA

All kinds of data and settings can be stored in the Müller Terminal for repeated use. Settings for different types of fertilizer can be saved. It is also possible to save data from, among other things, customers, different fields, completed m<sup>3</sup> and processed surfaces. This data can be transferred to a computer via a USB stick or loaded into the online environment of Agrometius when using TRIMBLE.



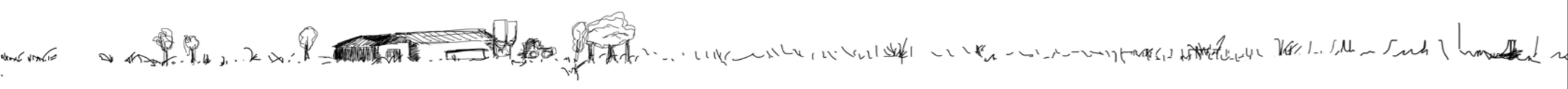
**Composition** 1 / 1

Phosphorus	2.11	kg/m <sup>3</sup>
Nitrogen	3.52	kg/m <sup>3</sup>
Ammonium	1.47	kg/m <sup>3</sup>
Potassium	1.73	kg/m <sup>3</sup>
Dry matter	0	%

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**CONTROL PANEL**

**SECTIONCONTROL**





# MORE VALUE FOR YOUR FIELD



*"Soil is the most valuable mean of production. Taking care of the fertile soil with a healthy structure and soil life is the basis for crop yield and quality. At KAWECO we cherish the soil, in the interest of the farmers of today and tomorrow."*

