



Airside FOD and Habitat Management



All Clear.



50+ years of experience in 50+ countries

TRILO sells its products worldwide and has a dealer network across Europe. This network ensures a quick and efficient distribution of machines and parts. Our local dealers are at your service to answer questions on machines or to demonstrate a product.

Smart

High quality equipment with a personal touch

TRILO is the leading brand and biggest pride of parent company Vanmac BV. TRILO provides solutions for daily, time-consuming jobs, such as grass cutting, collecting grass, leaves and debris and removing them from the work site.

“TRILO’s mission is to design, manufacture and market sustainable and innovative equipment for the management and maintenance of landscapes and infrastructure”

Family business

The brand name TRILO was used for the first time in the 1970’s. The Van Loen family started building and marketing the vacuum sweepers they developed in the 1960’s more and more professionally and they needed a brand name: TRILO. The name originates from the trio Van Loen, named after the 3 brothers: Louis, Cees and Leo van Loen.

In 2008, Peter van Mispelaar and Leo van Loen (jr) founded Vanmac BV, the company that became the parent company of TRILO in 2009. TRILO has evolved from being a part of the company into one of the pillars of Vanmac BV. A brand that is continually being updated and improved to offer you the best possible solutions for your business.

Spare parts

The global footprint of TRILO is established in over 40 countries and is expanding. Serving each customer and distributor with equal attention requires the constant implementation of state of the art processes. Our online “Webshop” provides for 24/7 ordering of spare parts and delivery tracking. Online orders are processed within 24 hours and delivered global by preferred carriers.



TRILO Machines

- High quality and very reliable
- Wide range of hopper capacities available
- Lets you work under the most difficult conditions
- Easy to operate by one man
- Spares can be ordered online 24/7
- Can be configured online as desired (many options)
- Requires little maintenance



Airside FOD and Habitat Management starts with TRILO

Airport properties are wildlife sanctuaries in an urban setting, providing abundant sources of food and refuge. These expanses of grassland and relatively undisturbed areas are frequently visited and inhabited by a wide range of migratory birds, small mammals and insects. Proper management of airport property minimizes the impact that wildlife communities and FOD have on aircraft. TRILO equipment is perfect for helping you to do proper airside FOD and habitat management.

TRILO Enables effective wildlife habitat management to reduce wildlife strikes

At TRILO we have a lot of experience maintaining large grass areas at airports all over the world. With a wide range of machines that you can configure exactly to your needs, you can be sure that you get the machine that is best suited to your requirements. TRILO machines are high quality and have been designed and developed to function under the most difficult weather conditions.

We divide our range of vacuum trailers into three application areas

Mowing, verticutting, sweeping or collecting FOD and solid waste with a suction hose



Cut & Collect

TRILIO Cut & Collect vacuum trailers perform two tasks at once, mowing and collecting grass clippings in one single pass. FOD and solid waste present will also be collected at the same time. There is a wide choice of loading volumes and options, so you can compose any TRILIO vacuum trailer according to your needs. Mowing and collecting is an important part of responsible grass management to reduce wildlife strikes. And that is exactly what TRILIO vacuum trailers are designed and made for.



Sweeping & Collecting wide-area

For effective grass management, grass clippings have to be removed. The TRILIO wide-area sweep & collect vacuum sweepers do this in the most efficient way. These unique machines are equipped with folding wings, with a working width of 6 meters. Rotating brushes inside the wings sweep up the grass and FOD and is then transported to the suction hood and safely collected. The wings can be easily folded for transport.



Multi-purpose

A wide range of options are available for the Cut & Collect machines. These options make the Cut & Collect machines widely deployable. A suction hose can for instance be fitted for removal of material from hard-to-reach places on the entire airside. Such as FOD along fences or waste materials that clogs up water drainage. Each TRILIO vacuum trailer can be equipped with a suction hose except vacuum trailers that are fitted with wings.



TRILO **Multi-purpose** vacuum sweepers can be used for multiple tasks. There are many options available to extend the functionality. There are various work shafts and suction hose options.



TRILO **cut & collect** is the most efficient way of responsible grass management. Mow and collect grass clippings and present FOD in one go. There is a choice of loading volumes from 8 to 20 m³.



TRILIO **Wide-area sweep & collect** effortlessly collects grass clippings at a high working speed. Wide area sweep & collect can also work together in combination with a front mower.



The compact TRILIO **cut & collect** vacuum sweepers are highly maneuverable and ideally suited for mowing smaller grass areas between the apron, taxiways, and runways with lots of obstacles.

Cut & collect in one pass

Cut & collect vacuum trailers can perform two tasks at once, mowing and collecting grass clippings in a single pass. A strong point here is that the FOD present in the vegetation is also collected directly.

The heart of each TRILO C-series machine consists of a specially designed fan that is a strong, safe and reliable source of suction power. The great advantage of Cut & Collect machines is that the grass is lifted by the suction and stands upright in the ideal position for mowing! This makes mowing possible under the toughest conditions, even when the grass is wet. Cut & Collect machines are adjustable to a cutting height of 25 cm (10"). Cut & Collect machines are available with a wide range of options that make them very versatile all-purpose machines. When a TRILO collector is fitted with a suction hose, you can easily collect FOD from ditches and fences and other places that are hard to reach.

Cut & collect



- Mowing or verticutting and collecting in one pass
- Wide range of hopper capacities available
- Keeps on working even under bad weather conditions
- Easy to operate by one man
- Also collects the present FOD while mowing
- Ad more functionality with an optional suction hose
- Can be configured online as desired (many options)
- Requires little maintenance



The FOD that is blown in grass areas will be collected at the same time with the grass clippings.

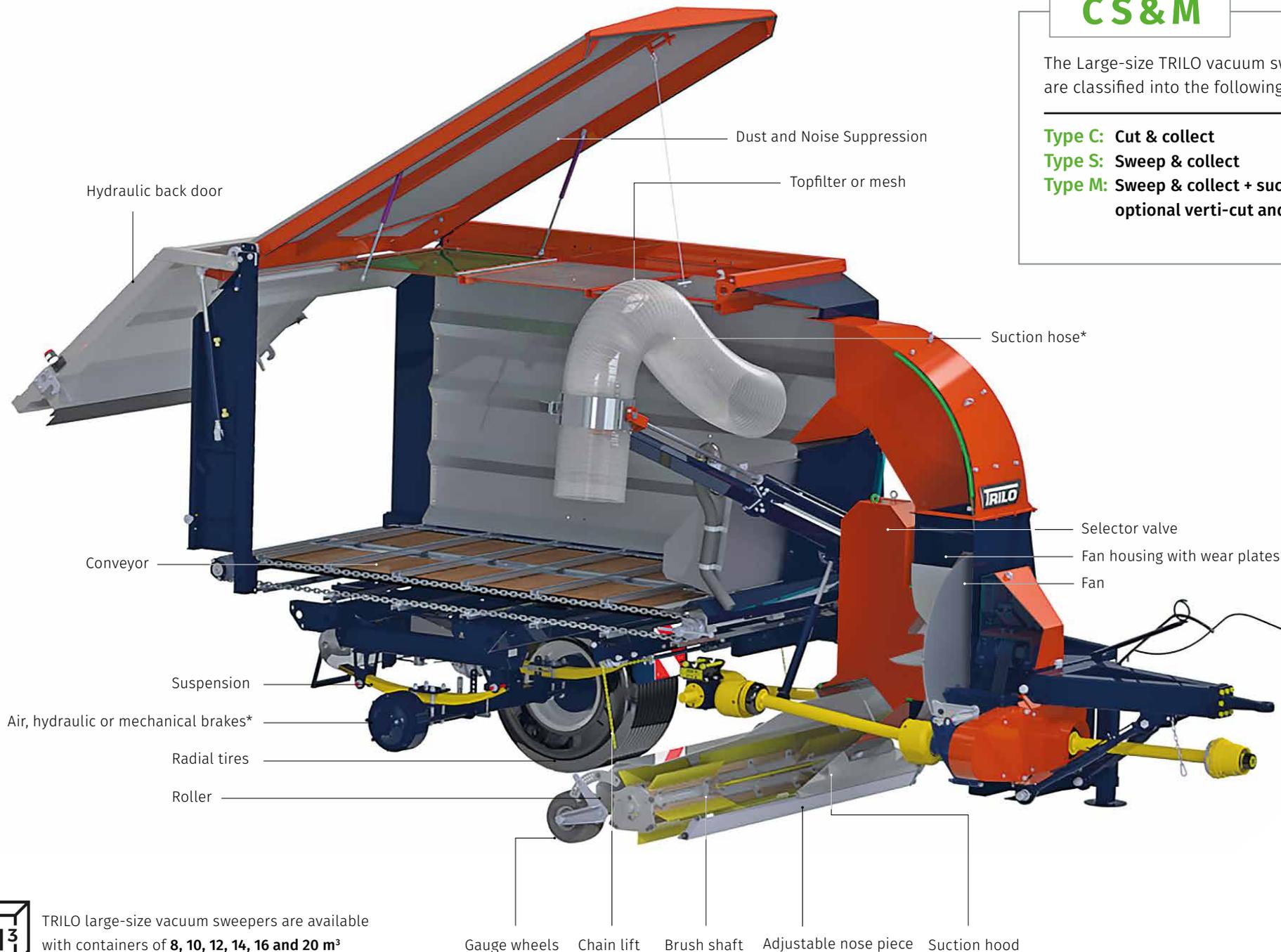
CS&M

The Large-size TRILO vacuum sweepers are classified into the following types:

Type C: Cut & collect

Type S: Sweep & collect

Type M: Sweep & collect + suction hose and optional verti-cut and mow axles



TRILO large-size vacuum sweepers are available with containers of **8, 10, 12, 14, 16 and 20 m³**

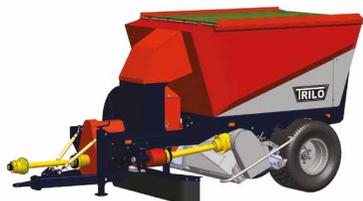
**Optional*

Cut & collect in one pass

M-series



C4



C8



C10



M4 - M20 Cut & Collect (Multi-purpose)

The TRILO M-series offers the best all-purpose vacuum collectors for the job. The TRILO M-series makes it easy to exchange the work shaft. Depending on the work shaft, TRILO M-series vacuum collectors can not only collect leaves like no other machine but can also mow and collect or 'verti-cut' and collect grass in a single pass.

Optionally, all functions can be controlled from the cabin via an electrical /-hydraulic joystick.

The M-Series collectors can easily be operated by one man.

For more detailed information, please visit our website where you can configure M-series machines to suit your needs.

www.trilo.com

Power source:	PTO 540/750/1000 rpm
Power requirement:	70 - 90 hp (51 – 66 kW) **
Airflow m³/min:	315
Hopper Capacity:	4 m ³ (5 yd ³)
Tyre size:	500/50R17
Suction hood width:	1.8 m (6')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Gully brush
- **Working shafts:** Brush, Rubber flap brush, Verticut, Finishing mower, Heavy duty mower
- Suction hose Ø 250 mm (10")

* Optional

** Depending on the circumstances

Power source:	PTO 540/750/1000 rpm
Power requirement:	90 - 130 hp (66 – 96 KW) **
Airflow m³/min:	390
Hopper Capacity:	8 m ³ (10 yd ³)
Tyre size:	500/50R17
Suction hood width:	1.8 m (6') - 2.1 m (7')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Electro-hydraulic joystick operation
- Radio Remote Control
- **Working shafts:** Brush, Verticut, Finishing mower, Heavy duty mower
- Hose Boom (2 functions)
With Ø 350 mm (14") Suction Hose
- Single axle, Pendling Axle

Power source:	PTO 540/750/1000 rpm
Power requirement:	90 - 130 hp (66 – 96 KW) **
Airflow m³/min:	390
Hopper Capacity:	10 m ³ (13 yd ³)
Tyre size:	500/50R17
Suction hood width:	1.8 m (6') - 2.1 m (7')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Electro-hydraulic joystick operation
- Radio Remote Control
- **Working shafts:** Brush, Verticut, Finishing mower, Heavy duty mower
- Hose Boom (2 functions)
With Ø 350 mm (14") Suction Hose
- Single axle, Pendling Axle, Tandem Axle

C12



C14



C16



C20



Power source:	PTO 540/750/1000 rpm
Power requirement:	90 - 130 hp (66 – 96 KW) **
Airflow m³/min:	390
Hopper Capacity:	12 m ³ (16 yd ³)
Tyre size:	500/50R17
Suction hood width:	2.1 m (7')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Electro-hydraulic joystick operation
- Radio Remote Control
- **Working shafts:** Brush, Rubber flap brush, Verticut, Finishing mower, Heavy duty mower
- Suctionhose Ø 250 mm (10")
- Hose Boom (2 functions)
With Ø 350 mm (14") Suction Hose
- Single axle, Pendling Axle, Tandem Axle

Power source:	PTO 540/750/1000 rpm
Power requirement:	90 - 130 hp (66 – 96 KW) **
Airflow m³/min:	390
Hopper Capacity:	14 m ³ (18 yd ³)
Tyre size:	500/50R17
Suction hood width:	2.1 m (7')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Electro-hydraulic joystick operation
- Radio Remote Control
- **Working shafts:** Brush, Rubber flap brush, Verticut, Finishing mower, Heavy duty mower
- Suctionhose Ø 250 mm (10")
- Hose Boom (2 functions)
With Ø 350 mm (14") Suction Hose
- Single axle, Pendling Axle

Power source:	PTO 540/750/1000 rpm
Power requirement:	90 - 130 hp (66 – 96 KW) **
Airflow m³/min:	390
Hopper Capacity:	21 yd ³ (16 m ³)
Tyre size:	500/50R17
Suction hood width:	2.1 m (7')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Electro-hydraulic joystick operation
- Radio Remote Control
- **Working shafts:** Brush, Rubber flap brush, Verticut, Finishing mower, Heavy duty mower
- Suctionhose Ø 250 mm (10")
- Hose Boom (2 functions)
With Ø 350 mm (14") Suction Hose
- Pendling Axle, Tandem Axle

Power source:	PTO 540/750/1000 rpm
Power requirement:	90 - 130 hp (66 – 96 KW) **
Airflow m³/min:	390
Hopper Capacity:	20 m ³ (6 yd ³)
Tyre size:	500/50R17
Suction hood width:	2.1 m (7')
Suction hood drive line:	Mechanical or Hydraulic*
Brake System:*	Hydraulic brakes, Overrun brakes or Air brakes.
Filters:*	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- electro-hydraulic joystick operation
- Radio Remote Control
- **Working shafts:** Brush, Rubber flap brush, Verticut, Finishing mower, Heavy duty mower
- Suctionhose Ø 250 mm (10")
- Hose Boom (2 functions)
With Ø 350 mm (14") Suction Hose
- Pendling Axle, Tandem Axle

Wide-area collecting

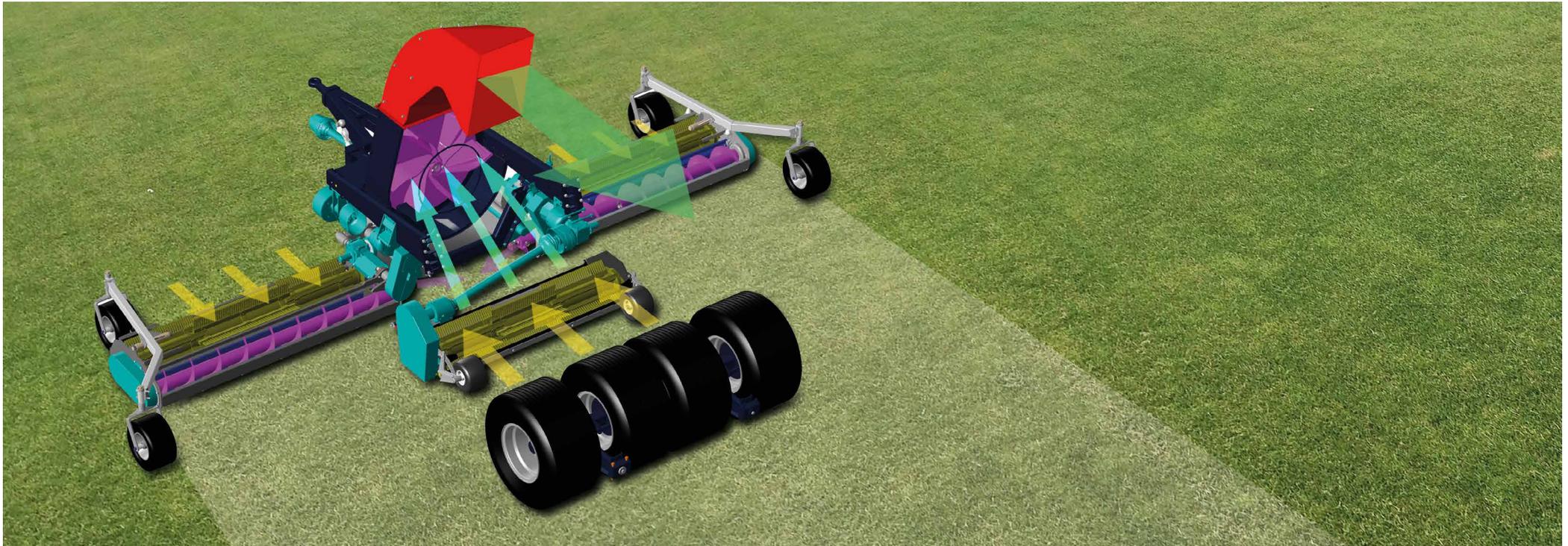
Wide-area collectors are specifically designed to collect grass clippings from very large areas. Two foldable wings create a working width of 6 meters (20') and can effectively collect a large amount of grass in a short period of time.

If an airport already has a grass cutting machine, for instance a rotary mower, TRILO can offer the wide-area grass collector with a working width up to 6 m (20'). This machine can also be set to different collecting heights to be sure that your expectations are met. The TRILO wide area collector is very effective over the first 10 - 20 m (10.3 yd to 21.2 yd) next to the runway and taxiway. So you can prevent grass clippings from being left behind and getting blown onto the runway or being picked up by jet engines. One pass up and down and the grass clippings are collected. This wide area collector is available with a hopper capacity of up to 20 m³ (26 yd³).

Sweep & collect

S

- Sweeping and collecting in one pass
- Wide range of hopper capacities available
- High working speed
- Faster working means fewer runway closures
- Working widths up to 6 m (20')
- Clears an area of 12 ha in an hour
- Easy to operate by one man
- Keeps on working even under bad weather conditions
- Requires little maintenance



Wide Area Collectors have been specially designed to collect grass clippings from very large areas as efficiently as possible.

S16W



TRILO large-size vacuum sweepers with wings are available with containers of **10, 12, 14, 16 and 20 m³**

Wide-area sweep & collect



Folding wings with a span width of 6 m (20') can efficiently collect grass clippings from a wide area.

S10



Power source*:	PTO 540/750/1000 rpm
Power requirement:	90 - 110 hp (66 - 81 KW) **
Airflow m³/min:	390
Hopper Capacity:	10 m ³ (13 yd ³)
Tyre size:	500/50R17
Suction hood width:	1.8 - 2.1 m (6' - 7')
Suction hood drive line:	Mechanical
Brake System*:	Hydraulic brakes, Overrun brakes or Air brakes.
Filters*:	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Single axle, Pendling Axle, Tandem Axle

* Optional

** Depending on the circumstances

S-Series wide area

S12W



S14W



S16W



S20W



Power source*:	PTO 540/750/1000 rpm
Power requirement:	90 - 110 hp (66 - 81 KW) **
Airflow m³/min:	390
Hopper Capacity:	12 m ³ (16 yd ³)
Tyre size:	500/50R17
Working width wings:	5.8 m (20')
Suction hood drive line:	Mechanical
Brake System*:	Hydraulic brakes, Overrun brakes or Air brakes.
Filters*:	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Single axle, Pendling Axle, Tandem Axle

Power source*:	PTO 540/750/1000 rpm
Power requirement:	90 - 110 hp (66 - 81 KW) **
Airflow m³/min:	390
Hopper Capacity:	14 m ³ (18 yd ³)
Tyre size:	500/50R17
Working width wings:	5.8 m (20')
Suction hood drive line:	Mechanical
Brake System*:	Hydraulic brakes, Overrun brakes or Air brakes.
Filters*:	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Single axle, Pendling Axle

Power source*:	PTO 540/750/1000 rpm
Power requirement:	90 - 110 hp (66 - 81 KW) **
Airflow m³/min:	390
Hopper Capacity:	16 m ³ (21 yd ³)
Tyre size:	500/50R17
Working width wings:	5.8 m (20')
Suction hood drive line:	Mechanical
Brake System*:	Hydraulic brakes, Overrun brakes or Air brakes.
Filters*:	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Pendling Axle, Tandem Axle

Power source*:	PTO 540/750/1000 rpm
Power requirement:	90 - 110 hp (66 - 81 KW) **
Airflow m³/min:	390
Hopper Capacity:	20 m ³ (26 yd ³)
Tyre size:	500/50R17
Working width wings:	5.8 m (20')
Suction hood drive line:	Mechanical
Brake System*:	Hydraulic brakes, Overrun brakes or Air brakes.
Filters*:	Topnet, Top mesh, Dust cap

Extra options:

- LED flood lights
- Water injection
- Pendling Axle, Tandem Axle

BISON C_{30w} | Specially designed for airport mowing



This unique machine has been specifically designed and built for airport mowing and collection in one pass under the toughest conditions.

Designed and built based on years of experience

Every day in more than 45 countries, TRILO machines operate in many airports around the world. Over the years we have gained a lot of experience with FOD and Habitat Management at airports and incorporated it into our machines. The TRILO C30W is specially developed for heavy-duty wide-area airport mowing, and is based on our experience and the needs and demands of our customers.

Safe and easy to operate by one person

We have put a lot of effort into making the TRILO C30W as simple and user-friendly as possible. Its intuitive control elements are logically arranged, easy and safe to operate. Any operator anywhere in the world can start using the TRILO C30W after basic instruction. Machine operators will also enjoy working with the TRILO machine, which will be reflected in better results.

Low cost of ownership

Our goal was to build the best machine possible – in terms of performance and durability, as well as in terms of cost of ownership. The C30w's simple but carefully thought-out design means that it requires very little maintenance. And because you can perform two tasks at once, you will save manpower and fuel costs. The large working width and high working speed will also limit costly runway closures.

- **One machine does the job of two**
- **Fuel efficient operation**
- **Low maintenance costs**
- **Easy to operate by one man**
- **High working speed**

Continue to work in the most severe weather conditions

Due to the high build quality and well-thought-out rugged construction, TRILO-machines are built to last. TRILO-machines continue to perform even under the most difficult of circumstances. Even in the most adverse weather conditions, such as heavy rainfall, you can continue with your mowing schedule. TRILO-machines will last a long time and are therefore durable.

Configure your TRILO-C30w online to your needs

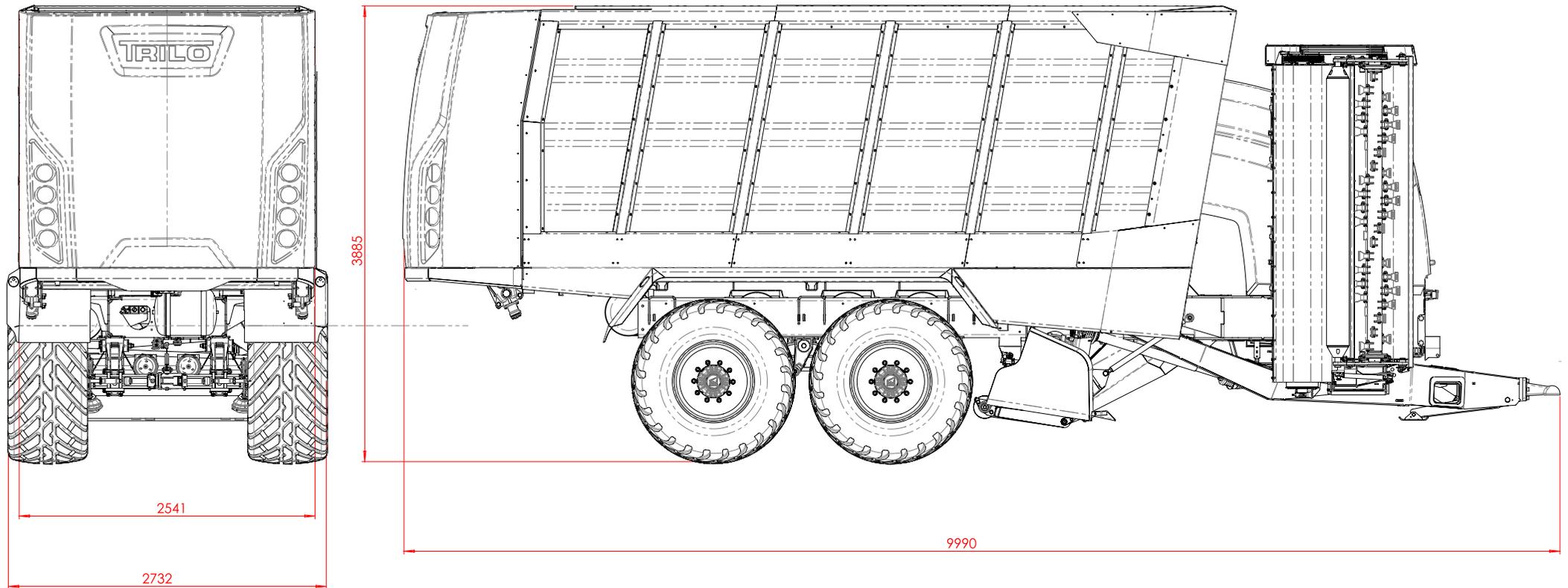
Each TRILO C30w machine can be configured online according to your needs with a choice of many useful options. Configure a unique machine that has no equal in the market and really takes airport mowing to the next level. Go and try it yourself on the TRILO-website www.trilo.com. This way you always get exactly the C30w that is best suited for your FOD control and habitat management on your airport.

With TRILO you get exactly the machine you need

TRILO machines enable you to apply responsible FOD and habitat management at your airport and thereby reduce wildlife strikes and increase flight safety.

- **Low cost of ownership**
 - **Specially designed for working on airports**
 - **Cuts and collects grass clippings and FOD in one pass**
 - **Keeps working in the toughest weather conditions**
 - **Offers high working speed**
 - **Fewer runway closures needed**
 - **Safe and easy to operate by one person**
 - **High quality, durable and built to last machine**
 - **Enables effective wildlife habitat management to reduce wildlife strikes**
-

BISON C_{30w} | Dimensions and specifications



The C30w is a category R machine (towed machine). For this reason the machine is allowed to be 3 m wide in transport mode. As you can see in the drawing above, the hopper and the folded wings are only 2.55 m wide. The height is 3.85 m. If you deflate the tires of the machine when transporting it on a Euro-class low-loader, the machine can be transported throughout Europe without a special permit.

Working width	6.9 m
Capacity	30 m ³
PTO output	Depending on the conditions
PTO	1000 RPM
Required hydraulics	120 l/min Load Sensing + 1x double acting valve
Weight	12.000 kg (depending on options)
Height	3.85 m
Transport Width	2.55 m (fenders 2.75)
Length	9.90 m
Max. axle load	9.000 kg
Max. axle load technical	12.000 kg
Max. total weight	22.000 kg
Max. total weight technical	28.000 kg
Working width	6.9 m
Tires	710/50 R26.5 - 800/45 R26.5
Tire inflation system	Optional
Suspension	Parabolic
Brakes	Pneumatic
Steering	Rear axle (forced)
Floating wings	standard
Ground pressure relief	standard
Automated height adjuster	standard
Machine monitoring system	standard
Headland management	standard
Automated road/field mode engagement	standard
Telematics	Optional
Water injection	Optional, 500 L
Rear lid outlet spout	Optional



* Depending on configuration (All TRILIO machines can be configured online according to your wishes)

Markets

TRILO offers not only high quality solutions for clearing leaves, litter, clippings and grass cuttings, but also has a wide experience in the following work areas:

- Clearing leaves & verge mowing
- Turf Industry
- Airside FOD and Habitat Management
- Groundskeeping
- Greenkeeping
- Litter Collection
- Equestrian sector



All Clear.

www.trilo.com



Technical Support

31 33 450 61 78

service@trilo.com

Our technical staff is available to assist you with questions about our products or technical information.



Parts

31 33 450 61 77

parts@trilo.com

Original parts for the best price, directly from our warehouse. Quick and easy 24/7 ordering in our webshop.
<https://shop.trilo.com>



24/7 Delivery Service

We pack and ship from our warehouse to anywhere in the world within 24 hours!



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