

SIPTM

MANURE SPREADERS

Product range



Robust grassland harvesting

www.sip.si

TABLE OF CONTENTS

MANURE SPREADERS ORION ALP	9	MANURE SPREADERS ORION ROBUST	25
ORION ALP	12	ORION ROBUST	28
ORION ALP	14	ORION ROBUST	30
ORION ALP	16	ORION ROBUST	32
ORION ALP	18		

SPECIALIST IN MOWING AND GRASSLAND HARVESTING

SIP is a Slovenian manufacturer of agricultural machinery with a long tradition. We are experts in the technologies of mowers, tedders, rakes and pick-up rakes. Our vision is to become a leading specialist in mowing and grassland harvesting systems.

SIP's agricultural machines are recognised for their ease of use, uniquely robust design, and innovative solutions. The state-of-the-art grassland harvesting program offers professional technologies for three agricultural segments:

- **Mountain farms** and farms in transitional and flat areas, where safe, light, and agile machinery is needed;
- **Medium-sized farms and contractors** who need durable and efficient machines to operate in large areas with an excellent price-quality ratio;
- **Large agricultural companies** where high performance, reliability, and maximum productivity are key to ensuring the highest income.

Our main program includes:

- **mowers,**
- **tedders,**
- **rakes,**
- **pick-up-rakes.**

Our sales network spreads globally in more than 35 countries, with France, Austria, Switzerland, Germany, and Italy leading the way.

Our mission is to become leading specialists in mowing and grassland harvesting systems.



WITH 70 YEARS OF KNOWLEDGE AND EXPERIENCE

By choosing SIP, you have opted for a robust, simple and proven machine that can handle any work regardless of the complexity of the terrain: from large plains to varied mountain areas with larger slopes.

PROFESSIONAL APPROACH

- professionally qualified multidisciplinary staff,
- cooperation with agricultural experts,
- cooperation with the most demanding users,
- cooperation with our partners,
- gathering insight and data analysis.

TESTED IN THE MOST DEMANDING CONDITIONS

- testing polygon,
- performance testing,
- endurance testing.

CONNECTED WITH END USERS

To develop reliable and durable machines, we are in constant contact with our end users, who test our machines in various conditions. We use the valuable

experience gained in this manner to develop useful, advanced, and simple technologies.

QUALITY COMES FIRST

We use quality components and materials from renowned world manufacturers as we want the most loaded parts of the machines to work flawlessly. All machine components are manufactured in our factory, thus ensuring the highest possible quality and offering a 3-year warranty.

The result is a wide range of excellent machines, durable and adapted to all types of terrain.

We are responsive and quick to provide spare parts and support.



OUR PHILOSOPHY: ROBUSTNESS

The word describes the three exceptional features of SIP machines:

DURABILITY

Our machines are designed for long-term use in all working conditions and with minimal maintenance.

EFFICIENCY

Our machines enable quality grassland harvesting and achieving optimal results. You can do more in less time.

USEFULNESS

The wide range of machines is characterized by their ease of use and adaptability to different working conditions as well as easy transport and storage.



Our company and our employees are committed to values that are the foundation of good relationships and mutual success.

ROBUST

Producing durable, efficient and easy to use machines.

ADAPTIVE

Constantly adapting to users' needs.

RESPONSIVE

Always available for advice and help.



GRASSLAND HARVESTING SPECIALIST

Knowing the technologies for harvesting quality forage.

TRUSTWORTHY

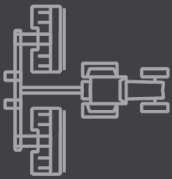
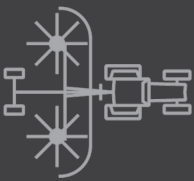
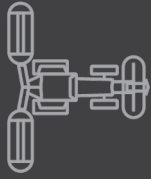
Always keeping the promise.

ROOTED

At home in agriculture, recognisable and appreciated.



SIP™



To find out more about our machines,
please scan the QR code above.



MANURE SPREADERS

ORION ALP

With different loading capacities, construction, wide track, and **reduced center of gravity**, these machines can ensure **stability and optimal manure spreading on sloped terrains**. Complete stability, agility, and easy maintenance are their main characteristics.



3-Year Warranty

Years of testing, 100% quality control and selected suppliers guarantee reliable and robust machines.



ACT - Automatic Chain Tensioning

This system maintains a constant tension of the scraper floor chains and thus ensures efficient spreading regardless of the loading.



Hydraulic Drive of Scraper Floor

The hydraulic drive of the scraper floor enables the continuously regulated flow of the manure to the spreading unit.



Hydraulic Dosing Wall

Hydraulic steering of the dosing wall controls the flow of the manure regardless of its density.



V-Chassis

The V-shaped chassis is a solution designed to ensure the stability and rigidity of the machine.



Hydraulic Spreading Unit Protection

Hydraulic-controlled spreading unit protection prevents loss of manure and increases traffic safety.



Vertical Spreading Unit

Spreading unit with four vertical spreading beaters and replaceable segments made of quality anti-wear material.



Lightweight

The lightweight construction enables linkage to tractors with lower power and reduces energy consumption.

ORION ALP TECHNOLOGY

SPREADING UNIT

The robustly designed **vertical spreading unit** ensures even and precise spreading of the material, regardless of the structure and brittleness. The **manure is distributed evenly** over the entire working width.

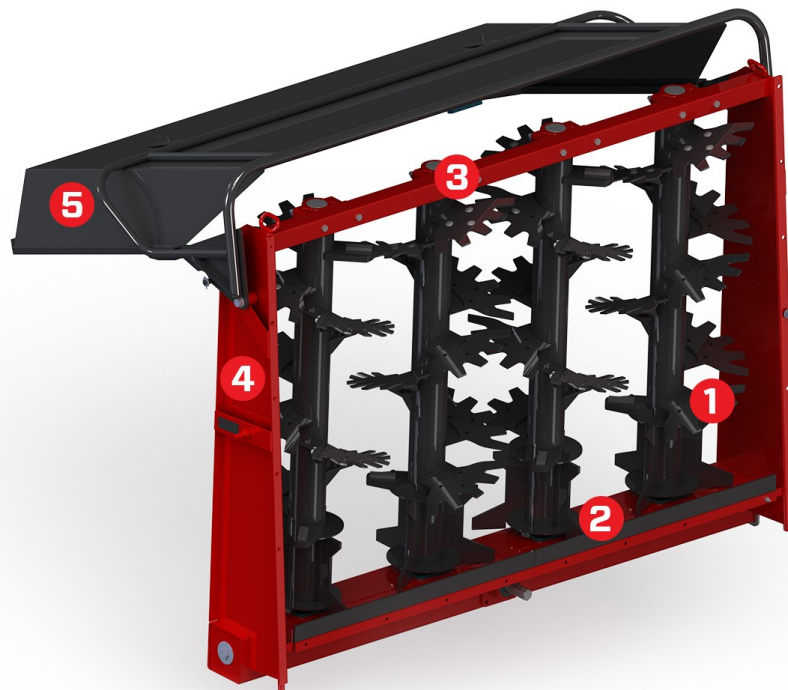
1 Two (A 35 ALP, A 40 ALP) or **four** (A 50 ALP, A 70 ALP) **vertical spreading beaters**

2 The spreading beaters drive in an **oil bath**

3 **Permanently lubricated** bearings in a robust housing

4 Extremely **stable frame**

5 Mechanic or **hydraulic spreading** unit protection





SPREADING BEATER

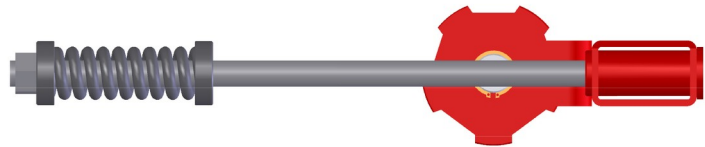
The spreading rollers on the device are carefully **arranged to ensure the fast and even flow of material**. The robustly designed helix of the spreading beater enables the **optimal fragmentation of the manure**.

- 1 Self-locking screw for the spreading blades
- 2 Robust spiral-shaped spreading beaters
- 3 Spreading blades made of wear-resistant steel
- 4 Spreading beater stabilizer
- 5 Washers at the bottom for fine spreading



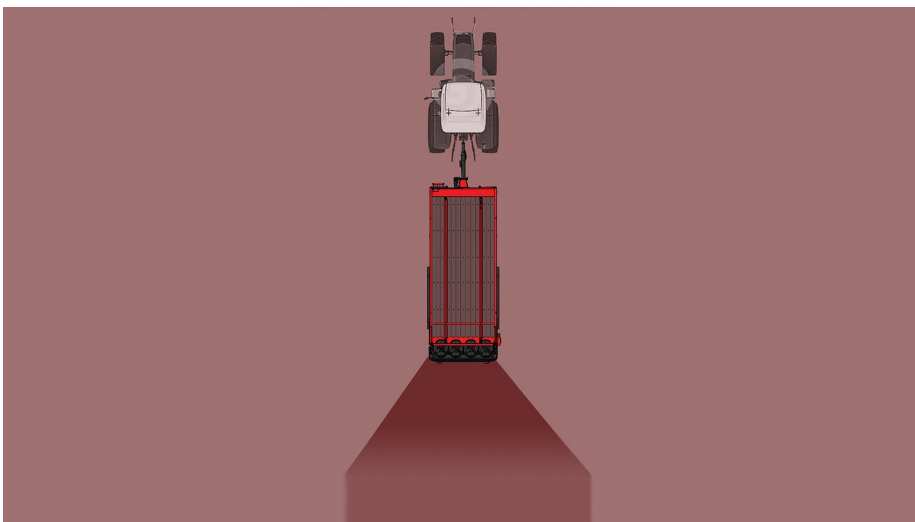
AUTOMATIC CHAIN TENSIONING (ACT)

The automatic chain tensioning system (ACT) ensures a **constant tension of the scraper floor chains**, regardless of the amount of material. The result is efficient and even spreading of the manure.



For more responsiveness and easier access during set-up, the system is mounted on the front of the spreader.

SPREADING OPTIONS



The spreading unit consists of two/ four vertical HD beaters enables fine and even spreading up to 8 m.

MANURE SPREADERS

ORION ALP

The **ORION A 35 ALP** with a total weight of **3.5 tons**, a wide track, and a low center of gravity **ensure great stability**. It is very useful for manure spreading on smaller, mainly **hilly terrains and on slopes**.

1. Fixed hitch with adjustable towing eye
2. Mechanical scraper floor drive
3. Steel sides 0,50 m
4. Spreading unit with two spreading beaters
5. Low centre of gravity and wide track
6. Mechanical spreading unit protection



The spreading unit with rear protection has a pair of vertical beaters and removable segments made of anti-wear material ensures even and fine spreading.



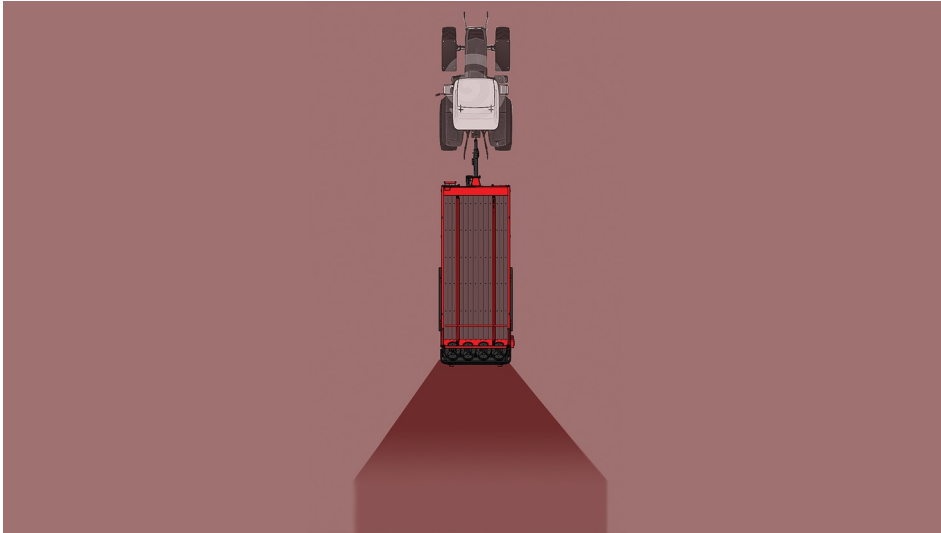
Wide track and low centre of gravity ensures safe work also on slopes.



The speed of the mechanical scraper floor is multi-stage adjustable to achieve optimal spreading.



The drawbar linkage is fixed to the lower hitch. The towing eye is adjustable for different heights of tractor hitches.



The spreading device with two vertical rollers allows even spreading up to 8 m wide.

With its wide track and low centre of gravity, the **ORION A 35 ALP** allows **safe and stable work on slopes**. The four-stage mechanical drive of the chain conveyor via the PTO shaft and gear ensures efficient manure spreading. A rear side and steel sides are included as standard allowing the spreader to be also used as a trailer.



MANURE SPREADERS

ORION ALP

The **ORION A 40 ALP**, with a total weight of **4.0 tons**, is designed for smaller, mainly hill farms, as its wide track and low centre of gravity **ensure stability on sloping terrain**.

1. Trailed upper or lower hitch
2. Continuous hydraulic scraper floor drive
3. V - chassis for increased machine stability
4. Spreading unit with two spreading beaters
5. Hydraulic protection of the spreading unit



Universal drawbar with a \varnothing 41 towing eye for lower or upper linkage to the tractor.



The hydraulic protection of the spreading unit allows easy handling and safe transport.



With enhanced stability and stiffness of the machine, the V-shaped chassis is perfectly suited to work on difficult terrain.



The hydraulic drive of scraper floor and chain conveyor with of 2 chains dim. 10 × 31 mm..



The spreading device with two vertical beaters with removable segments made of anti-abrasion material ensures even and fine spreading.

Manure spreader **ORION A 40 ALP** with its **wide track** and **low centre of gravity** and spreading unit with two spreading beaters is stable enough to work efficiently and reliably on slopes.

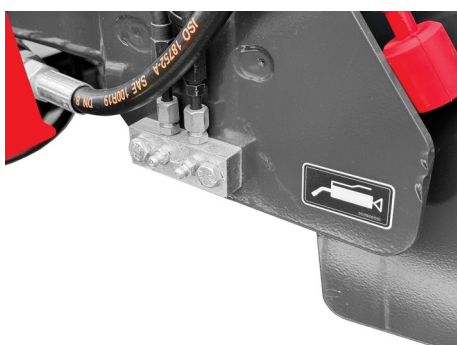
Manure spreading is carried out by a **variable hydraulic chain conveyor drive**, while the hydraulic rear protection lift makes work easier.



The hydraulically driven scraper floor. The chain conveyor has two 10 x 31 mm chains made of high-quality steel.



The automatic chain tensioning system ensures that scraper floor chains remain tensioned with the same force.



Easily accessible central lubrication system for trouble-free lubrication.

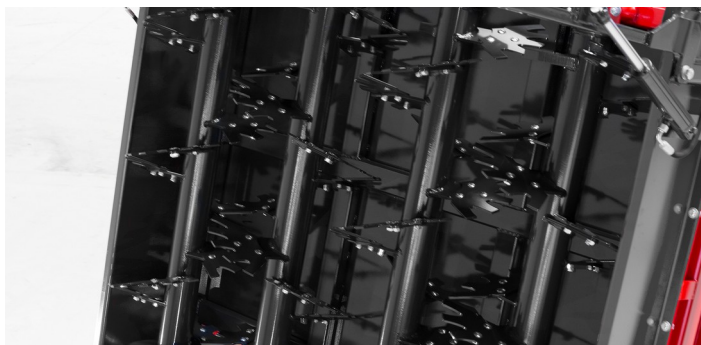


MANURE SPREADERS

ORION ALP

The **ORION A 50 ALP** with a total weight of **5 tons** is designed for use on small and mountain farms. With a wide wheel track and low center of gravity, it **provides stability on sloping terrain**.

1. Adjustable drawbar linkage
2. Continuous hydraulic scraper floor drive
3. Steel folding sides 0,50 m
4. V-shaped chassis
5. 4 vertical spreading beaters
6. Low centre of gravity and wide track



The spreading unit with four vertical beaters and removable segments made of anti-wear material ensures even and fine spreading. The unit is easily removable.



"V" shape chassis, wide track and low center of gravity give the spreader exceptional stability. The special RINNER axle withstands high loads.



The central lubrication system makes maintenance easier and faster.



The automatic chain tensioning system (ACT) ensures a constant tension of the scraper floor chains, regardless of the amount of material. The result is efficient and even spreading of the manure.



Greater stability is achieved with a low centre of gravity and wide track with tractor profile wheels.

Optimally designed "V" shape chassis, wide track and low center of gravity give the **ORION A 50 ALP** spreader **exceptional stability**. The special RINNER axle withstands high loads, and the drive via the PTO shaft with a safety clutch ensures high performance without overloading.

A vertical spreading unit with four beaters and replaceable spreading segments made of quality anti-wear material enables **optimal spreading**.



MANURE SPREADERS

ORION ALP

Very reliable manure spreader **ORION A 70 ALP** with a total weight of **7 tons**, combines **high durability and ease of use**. Continuously control of the hydraulic movement of the scraper floor allows **complete control** over the spreading.

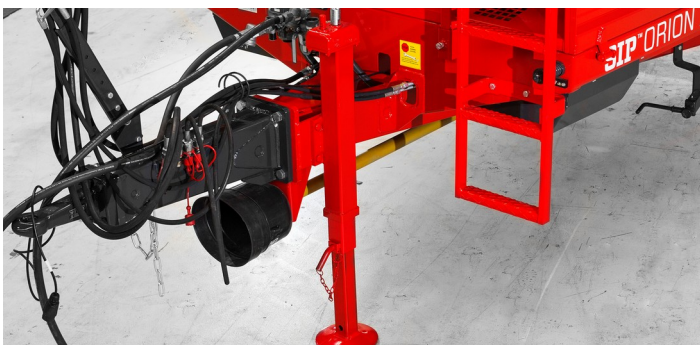
1. Continuous hydraulic scraper floor drive
2. Steel folding sides 0,60m + 0,50 m
3. V-shaped chassis
4. Negative angle of the spreading unit up to 10°
5. Hydraulic spreading unit protection



The spreading unit with four vertical beaters allows for an optimal angle of spreading because it is tilted at a 10° angle.



When working on sloping terrains, the “V” shaped chassis proves to be excellent. It increases the stability and rigidity of the machine.



Driving with a loaded spreader is safer with the overrun brake.



The automatic chain tensioning system (ACT) ensures a constant tension of the scraper floor chains, regardless of the amount of material. The result is efficient and even spreading of the manure.



The low center of gravity and wide track ensure the stability of the spreader and safe work on the slope.

ORION A 70 ALP with specially designed vertical spreading beaters ensure **even and fine spreading of the manure.**

The segments are individually changeable. More even and wider distribution of material enables the negative angle of the spreading unit up to 10 °.



Wider and higher conveyor bars ensure a 70 % longer life span.



TECHNICAL DATA

MANURE SPREADERS ORION ALP

TECHNICAL DATA	A 35 ALP
Max. total weight (kg)	3500
Weight (kg)	950-1160
Load capacity (kg)	2340-2550
Transp. length (m)	5
Transp. width (m)	2,06
Transp. height (m)	2,60
Sides height (m)	0,50
Power req. (kW/HP)	15/20
Track width (m)	1,75
PTO rotation speed (rpm)	540
Spreading unit	Vertical - 2 spreading beaters
SERIAL EQUIPMENT	
Hitch	Universal drawbar with a \varnothing 40 towing eye
Driveline	Input PTO shaft with safety clutch 600 Nm
Hydraulic connection	/
Breaks	Hand brake
Scraper floor	2 chains (8 x 31 mm)
Scraper floor drive	Mechanical
Spreading Unit Protection	Mechanic
Sides	Steel (folding)

OPTIONAL EQUIPMENT



Wide-angle PTO (600Nm)



TECHNICAL DATA

MANURE SPREADERS ORION ALP

TECHNICAL DATA	A 40 ALP
Max. total weight (kg)	4000
Weight (kg)	1160-1380
Load capacity (kg)	2620-2840
Transp. length (m)	5,36
Transp. width (m)	1,91-2,22
Transp. height (m)	2,30
Sides height (m)	0,50
Loading volume min (m3)	2
Loading volume (m3)	4
Power req. (kW/HP)	30/40
Track width (m)	1,60
PTO rotation speed (rpm)	540
Spreading unit	Vertical - 2 spreading beaters

SERIAL EQUIPMENT

Hitch	Universal drawbar with a \varnothing 41 towing eye
Driveline	Input PTO shaft with safety clutch 650 Nm
Hydraulic connection	1x double-acting (1DA), 1x single-acting (1SA)
Breaks	Hand brake
Scraper floor	2 chains (10 x 31 mm)
Scraper floor drive	Continuously Hydraulic
Spreading Unit Protection	Hydraulic
Sides	/
Other	ACT - Automatic Chain Tensioner, Central lubrication of front and rear sprocket drive

TECHNICAL DATA

MANURE SPREADERS ORION ALP

TECHNICAL DATA	A 50 ALP
Max. total weight (kg)	5000
Weight (kg)	1320-1720
Load capacity (kg)	3280-3680
Transp. length (m)	5,30
Transp. width (m)	2,70
Transp. height (m)	2,32
Sides height (m)	0,50
Loading volume min (m3)	2,60
Loading volume (m3)	5,20
Max. towing eye load (kg)	1000
Power req. (kW/HP)	29/40
Track width (m)	2,07
PTO rotation speed (rpm)	540
Spreading unit	Vertical - 4 spreading beaters

SERIAL EQUIPMENT

Hitch	Universal drawbar with a \varnothing 41 towing eye
Driveline	Input PTO shaft with safety clutch 900 Nm
Hydraulic connection	1x single-acting (1SA), 1x double-acting (1DA)
Breaks	Hand brake
Scraper floor	2 chains (10 x 31 mm)
Scraper floor drive	Continuously Hydraulic
Spreading Unit Protection	Hydraulic
Sides	/
Other	ACT - Automatic Chain Tensioner, Central lubrication of front and rear sprocket drive

OPTIONAL EQUIPMENT



Hydraulic dosing wall



TECHNICAL DATA

MANURE SPREADERS ORION ALP

TECHNICAL DATA	A 70 ALP
Max. total weight (kg)	7000
Weight (kg)	1910-2350
Load capacity (kg)	4650-5090
Transp. length (m)	5,87
Transp. width (m)	2,17
Transp. width max - wide track (m)	2,70
Transp. height (m)	2,70
Transp. height max - wide track (m)	2,50
Sides height (m)	1,10
Loading volume min (m ³)	3,90
Loading volume (m ³)	8,50
Max. towing eye load (kg)	1400
Power req. (kW/HP)	50/70
Track width (m)	1,60
Track width - wide track (m)	2,10
PTO rotation speed (rpm)	540
Spreading unit	Vertical - 4 spreading beaters

SERIAL EQUIPMENT

Hitch	Universal drawbar with a \varnothing 41 towing eye
Driveline	Wide angle PTO shaft with safety clutch 900 Nm
Hydraulic connection	1x single-acting (1SA), 1x double-acting (1DA)
Breaks	Chosen with obligatory equipment, Hand brake
Scraper floor	2 chains (11 x 31 mm)
Scraper floor drive	Continuously Hydraulic
Spreading Unit Protection	Hydraulic
Sides	Steel (folding)
Other	ACT - Automatic Chain Tensioner, Central lubrication of front and rear sprocket drive

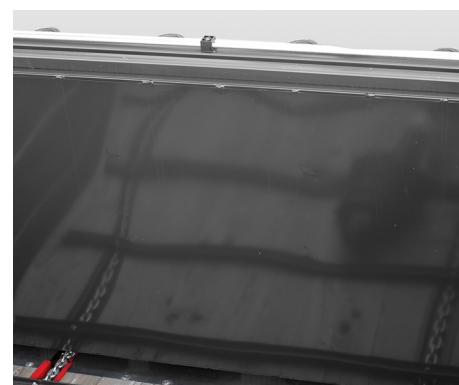
OPTIONAL EQUIPMENT



Wide track 70 ALP (safety boards + wheel axle + upper hitch)

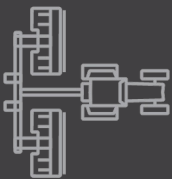
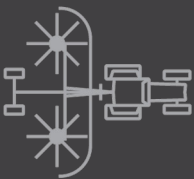
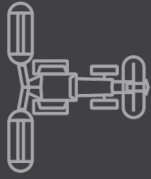


Side extensions (50 cm)



Hydraulic dosing wall

SIP™



To find out more about our machines,
please scan the QR code above.



MANURE SPREADERS

ORION ROBUST

With different loading capacities, construction, wide track, and reduced center of gravity, these machines can ensure **stability and optimal spreading of manure on different terrains**. Complete stability, agility, and easy maintenance are their main characteristics.



3-Year Warranty

Years of testing, 100% quality control and selected suppliers guarantee reliable and robust machines.



ACT - Automatic Chain Tensioning

This system maintains a constant tension of the scraper floor chains and thus ensures efficient spreading regardless of the loading.



Hydraulic Drive of Scraper Floor

The hydraulic drive of the scraper floor enables the continuously regulated flow of the manure to the spreading unit.



Hydraulic Dosing Wall

Hydraulic steering of the dosing wall controls the flow of the manure regardless of its density.



V-Chassis

The V-shaped chassis is a solution designed to ensure the stability and rigidity of the machine.



Hydraulic Spreading Unit Protection

Hydraulic-controlled spreading unit protection prevents loss of manure and increases traffic safety.



Vertical Spreading Unit

Spreading unit with four vertical spreading beaters and replaceable segments made of quality anti-wear material.



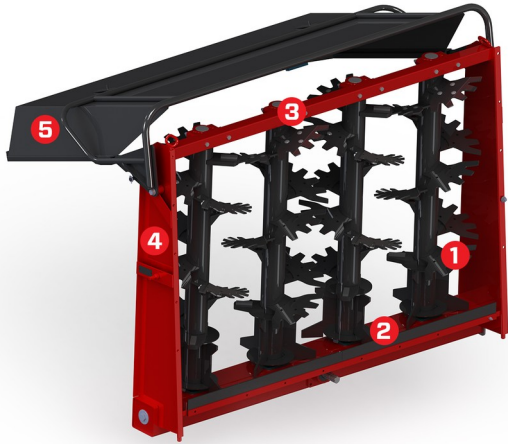
Horizontal Spreading Unit

A wide-angle spreading unit with two horizontal spreading beaters and two spreading discs enables working width up to 24 m.

ORION ROBUST TECHNOLOGY

VERTICAL SPREADING UNIT

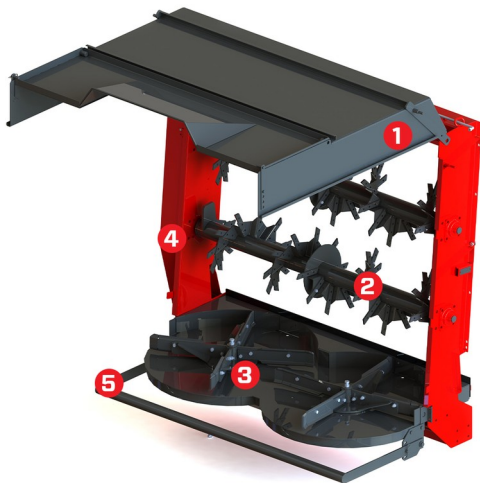
The robustly designed **vertical spreading unit** ensures even and precise spreading of the material, regardless of the structure and brittleness. The **manure is distributed evenly** over the entire working width.



- 1** Four **vertical spreading beaters** with high-resistant steel segments
- 2** The spreading beaters drive in an **oil bath**
- 3** Permanently lubricated bearings in a robust housing
- 4** Extremely stable frame
- 5** Mechanic or Hydraulic spreading unit protection

HORIZONTAL SPREADING UNIT

The robustly designed **horizontal spreading unit** ensures even and **precise spreading up to a width of 24 m**. The material, regardless of the structure and brittleness, is **distributed evenly** over the entire width of the spread.



- 1** **Hydraulically controlled** spreading unit protection
- 2** Two **horizontal spreading beaters** with steel spreading blades
- 3** Two spreading discs with steel **throwing shovels**
- 4** Extremely **stable frame**
- 5** **Hydraulic spreading unit protection**



SPREADING BEATER

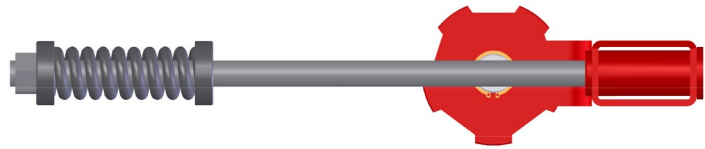
The spreading rollers on the device are carefully arranged to ensure **the fast and even flow of material**. The robustly designed helix shape of the spreading beater enables the **optimal fragmentation of the manure**.

- 1 Self-locking screw for the spreading blades
- 2 Robust helix-shaped spreading beaters
- 3 Spreading segment made of wear-resistant steel
- 4 Spreading beater stabilizer
- 5 Manure removers at the bottom for fine spreading



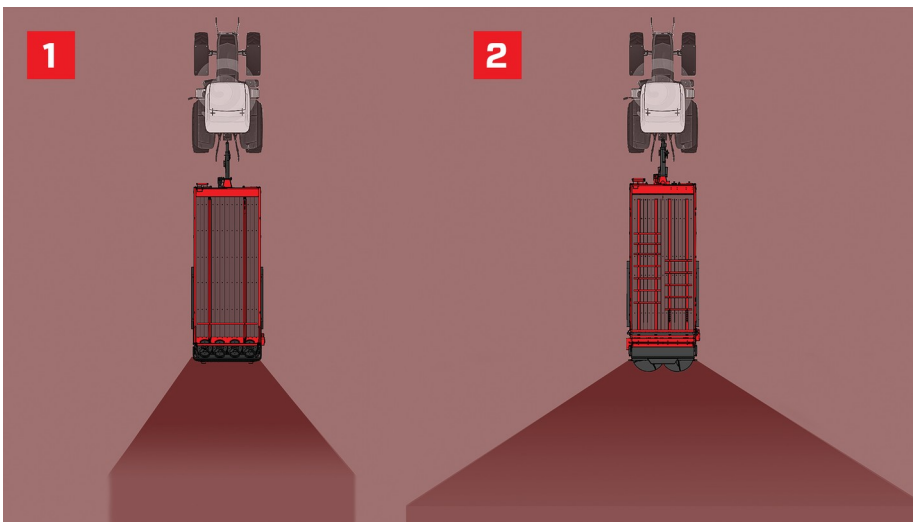
AUTOMATIC CHAIN TENSIONING (ACT)

The automatic chain tensioning system (ACT) ensures a **constant tension of the scraper floor chains**, regardless of the amount of material. The result is efficient and even spreading of the manure.



For better responsiveness and easier accessibility, the system is attached to the front of the spreader frame.

SPREADING OPTIONS



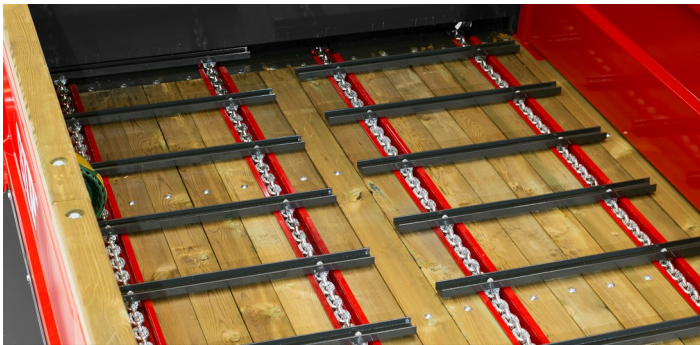
The vertical spreading unit allows spreading of **up to 10 m** (1). The horizontal spreading device with two beaters and spreading discs allows spreading of **up to 24 m** (2).

MANURE SPREADERS

ORION ROBUST

Very reliable manure spreader **ORION R 100** with a total weight of **10 tons** combines **high durability and ease of use**. Continuously controlled hydraulic movement of the scraper floor allows **complete control** over the amount of manure spread.

1. ACT - Automatic Chain Tensioner
2. Steel sides 0,60 m + 0,50 m
3. 4 vertical spreading beaters
4. Continuous hydraulic scraper floor drive
5. Hydraulic spreading unit protection



Scraper floor with hydraulic drive. The chain conveyor has four 11 x 31 mm high-quality steel chains.



V-shaped chassis with reinforced segments and a stronger axle gives the machine greater stability and load capacity.



The hydraulic drive of the scraper floor can be continuously adjustable with the lever located on the front of the machine. It can be also moved backward and forward.

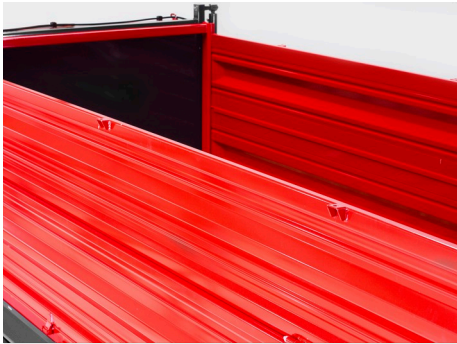


Even spreading up to a width of 10 m is enabled by a spreading unit with four vertical beaters.



Trailed drawbar for speeds of up to 25 km/h.

The **ORION R 100** with spreading beaters made of extremely resistant material allows **fine crushing and spreading of manure**. The spreader is therefore also suitable for spreading on grassland areas. It is also characterised by the well-thought-out design of the hydraulic system, as the dosing wall in front of the beaters is hydraulically adjustable.



Hydraulic dosing wall available as an option.



Hydraulic spreading unit protection.

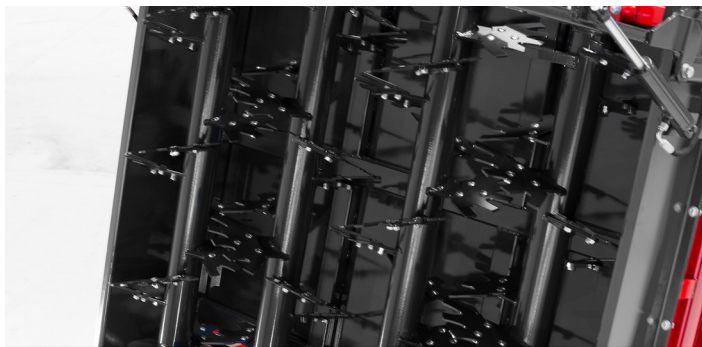


MANURE SPREADERS

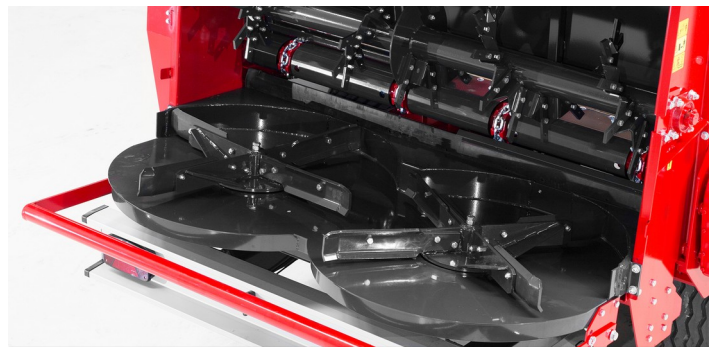
ORION ROBUST

The manure spreader **ORION R 120** is a compact two-axle machine with a welded chassis and a robust frame and with a total weight of **12 tons**. It belongs to the line of professional larger machines suitable **for medium and large farms**.

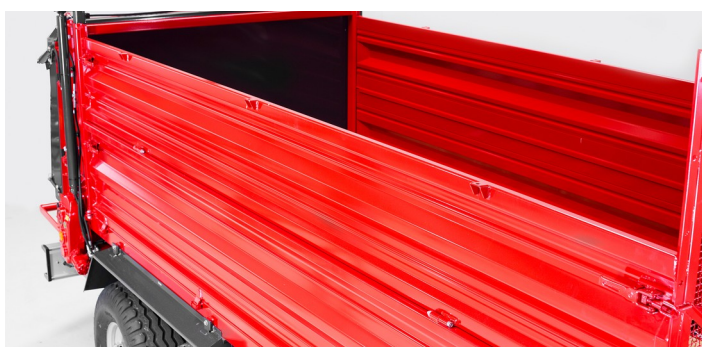
1. Drawbar linkage for a speed of up to 40 km/h
2. Double-axle, double-line braking system with ALB
3. Steel sides 0,60 m + 0,50 m
4. Tandem chassis
5. Continuous hydraulic scraper floor drive
6. Hydraulic spreading unit protection



The vertical spreading unit with four vertical beaters and individually replaceable segments made of high-quality anti-wear material.



The wide-angle horizontal spreading unit with two horizontal spreading beaters and two spreading discs enables spreading up to a width of 24 m.



The loading space is closed by robust steel sides of 1.10 m in height.



Mechanical brake control via easily accessible lever.



The tandem chassis ensures weight distribution and excellent ground adaptation. The wide tyres give the machine extra stability and a larger contact surface.

There are two versions of the spreader **ORION R 120**. The **vertical spreading unit** is equipped with four vertical spreading beaters and enables spreading up to 10 m wide.

The **wide-angle spreading unit** with horizontal spreading beaters and two spreading discs is designed for wider spreading of the manure up to 24 m wide.



The central lubrication system makes maintenance easier and faster.



The spreading unit can be easily detached from the machine and the spreader can be used for transporting different materials.

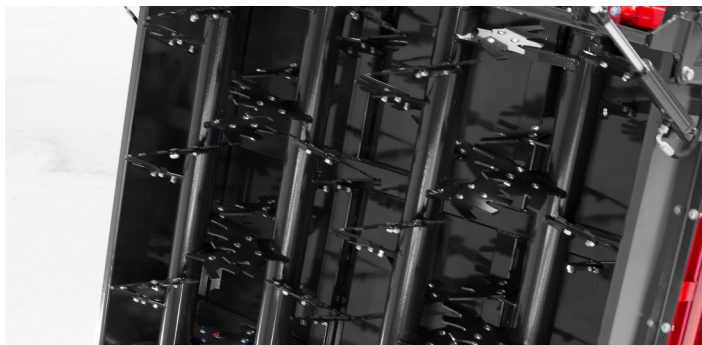


MANURE SPREADERS

ORION ROBUST

The manure spreader **ORION R 140** is a large professional spreader with a welded chassis, a robust frame, and a total weight of **14 tons**, and is very easy to operate. The convenient support leg enables quick and safe storing of the spreader.

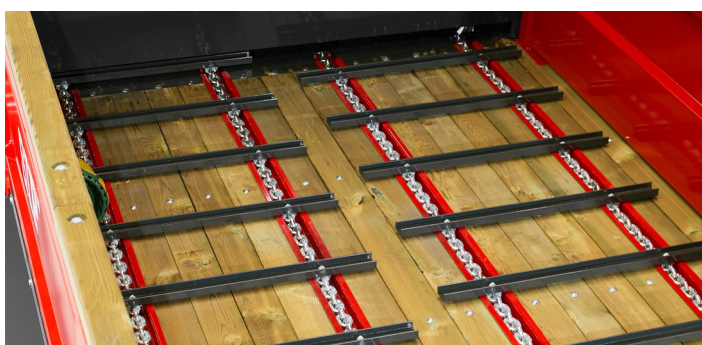
1. Drawbar linkage for a speed of up to 40 km/h
2. Double-axle, double-line braking system with ALB
3. Steel sides 90 cm + 40 cm + 40 cm
4. Tandem chassis
5. Hydraulic spreading unit protection
6. Continuous hydraulic scraper floor drive



The vertical spreading unit with four vertical beaters and individually replaceable segments made of high-quality anti-wear material.



The wide-angle horizontal spreading unit with two horizontal spreading beaters and two spreading discs enables spreading up to a width of 24 m.



Scraper floor with hydraulic drive. The chain conveyor has four 13 x 36 mm high-quality steel chains.



The safe braking with a fully loaded spreader is provided by a double-axle and double-line air brake system with ALB.



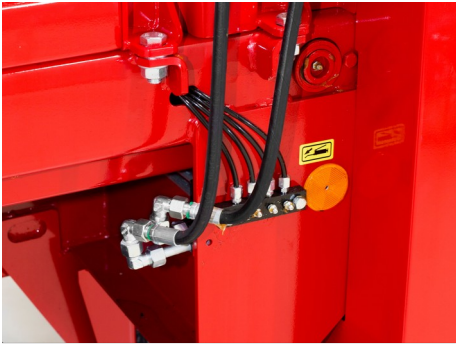
The two-axle spreader chassis with parabolic springs and a wide track allows speeds of up to 40 km/h.

There are two versions of the spreader **ORION R 140**. The **vertical spreading unit** is equipped with four vertical spreading beaters and enables spreading up to 10 m wide.

The **wide-angle spreading unit** with horizontal spreading beaters and two spreading discs is designed for wider spreading of the manure up to 24 m wide.



The spreading unit can be easily detached from the machine and the spreader can be used for transporting different materials.



The central lubrication system makes maintenance easier and faster.



TECHNICAL DATA

MANURE SPREADERS ORION ROBUST

TECHNICAL DATA	R 100
Max. total weight (kg)	10000
Weight (kg)	2770-3200
Load capacity (kg)	6800-7230
Transp. length (m)	6,65
Transp. width (m)	2,23
Transp. height (m)	2,90
Sides height (m)	0,60
Loading volume (m3)	10
Max. towing eye load (kg)	1600
Power req. (kW/HP)	60/80
Track width (m)	1,70
PTO rotation speed (rpm)	540
Spreading unit	Vertical - 4 spreading beaters

SERIAL EQUIPMENT

Hitch	Drawbar linkage
Driveline	Wide angle PTO shaft with safety clutch 1400 Nm
Hydraulic connection	1x single-acting (1SA), 1x double-acting (1DA)
Breaks	Chosen with obligatory equipment, Hand brake
Scraper floor	4 chains (11 x 31 mm)
Scraper floor drive	Continuously Hydraulic
Spreading Unit Protection	Hydraulic
Sides	Steel (folding)
Other	ACT - Automatic Chain Tensioner, Lightning equipment, Central lubrication of front and rear sprocket drive

OPTIONAL EQUIPMENT



Hydraulic dosing wall



TECHNICAL DATA

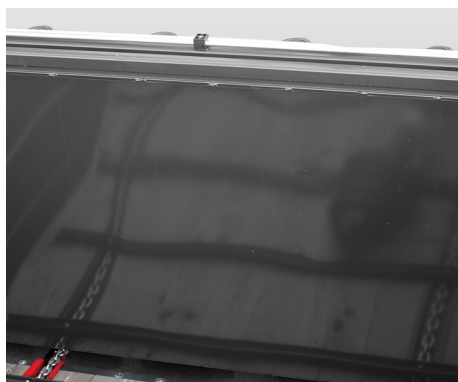
MANURE SPREADERS ORION ROBUST

TECHNICAL DATA	R 120
Max. total weight (kg)	12000
Weight (kg)	3160-3950
Load capacity (kg)	8050-8840
Transp. length (m)	6,70
Transp. length max - horizontal spreading unit (m)	8
Transp. width (m)	2,23
Transp. height (m)	2,85
Sides height (m)	1,10
Loading volume (m ³)	10
Max. towing eye load (kg)	2000
Power req. (kW/HP)	74/100
Track width (m)	1,70
PTO rotation speed (rpm)	540
PTO rotation speed - horizontal spreading unit (rpm)	1000
Spreading unit	Vertical - 4 spreading beaters Horizontal - 2 spreading beaters, 2 spreading discs

SERIAL EQUIPMENT

Hitch	Drawbar linkage for a speed of up to 40 km/h
Driveline	Wide angle PTO shaft with safety clutch 1400 Nm (vertical unit) and 1650 Nm (horizontal unit)
Hydraulic connection	1x single-acting (1SA), 1x double-acting (1DA)
Breaks	Chosen with obligatory equipment, Hand brake
Scraper floor	4 chains (11 x 31 mm)
Scraper floor drive	Continuously Hydraulic
Spreading Unit Protection	Hydraulic
Sides	Steel (folding 0,60 m + 0,50 m)
Other	ACT - Automatic Chain Tensioner, Tandem chassis, Lightning equipment, Central lubrication of front and rear sprocket drive

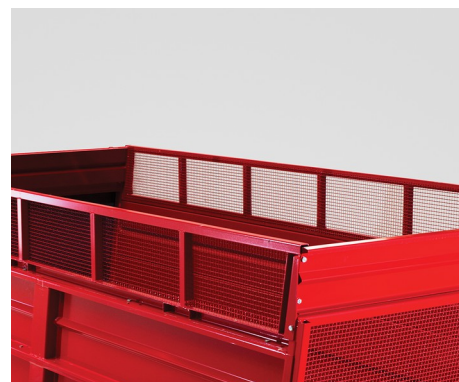
OPTIONAL EQUIPMENT



Hydraulic dosing wall



Hydraulic support leg



Mesh side extensions (50 cm)

TECHNICAL DATA

MANURE SPREADERS ORION ROBUST

TECHNICAL DATA	R 140
Max. total weight (kg)	14000
Weight (kg)	3800-4430
Load capacity (kg)	9570-10200
Transp. length (m)	6,90
Transp. length max - horizontal spreading unit (m)	7,40
Transp. width (m)	2,31
Transp. height (m)	3
Sides height (m)	0,90
Loading volume (m ³)	12
Max. towing eye load (kg)	2000
Power req. (kW/HP)	74/100
Track width (m)	1,70
PTO rotation speed (rpm)	1000
Spreading unit	Vertical - 4 spreading beaters Horizontal - 2 spreading beaters, 2 spreading discs

SERIAL EQUIPMENT

Hitch	Drawbar linkage for a speed of up to 40 km/h
Driveline	Wide angle PTO shaft with safety clutch 1400 Nm (vertical unit) and 1650 Nm (horizontal unit)
Hydraulic connection	1x single-acting (1SA), 1x double-acting (1DA)
Breaks	Chosen with obligatory equipment, Hand brake
Scraper floor	4 chains (13 x 36 mm)
Scraper floor drive	Continuously Hydraulic
Spreading Unit Protection	Hydraulic
Sides	Steel (fixed)
Other	ACT - Automatic Chain Tensioner, Tandem chassis, Lightning equipment, Central lubrication

OPTIONAL EQUIPMENT



Hydraulic dosing wall



Hydraulic support leg



Side extensions (40 cm)

ABOUT THE SIP COMPANY

SIP Strojna industrija d.d. from Slovenia is a company with more than 70-year tradition of developing and producing agricultural machinery. We are known for high-quality machines that are easy to use and have a robust design adapted to the different needs of users.

Our production program includes:

- **machinery for mowing and grassland harvesting,**
- **manure spreaders.**

The performance and high quality of SIP machines guarantee quick and efficient harvesting on various terrains. We constantly adapt to users' needs and develop new, more advanced models. Our product range consists of machines of all sizes suitable for small or large farms and agricultural service providers throughout Europe and beyond.

We are developing and upgrading many technologies crucial for harvesting high-quality

forage. With disc mowers, these are **hydraulic suspensions for excellent ground adaptation** and technologies that allow the optimal forage flow over the cutter bar. In tedding technology, we focus on **smaller rotors and height-adjustable wheels** as well as on the optimal position of the spreading angle. We have patented **SIP walking tandem axles** for rakes, which enable optimal adaptation to terrain, higher working speeds, and the transfer of lower loads to the machine. The rotors of the rakes are adjustable in terms of both height and inclination. With our AIR pick-up technologies, we have taken a step forward in raking and **reducing forage contamination and the loss of leaves** and nutrients.

SIP's traditional manure spreaders are well-known and appreciated for easy operation and maintenance and long service life.



CUSTOMER SUPPORT AND SPARE PARTS

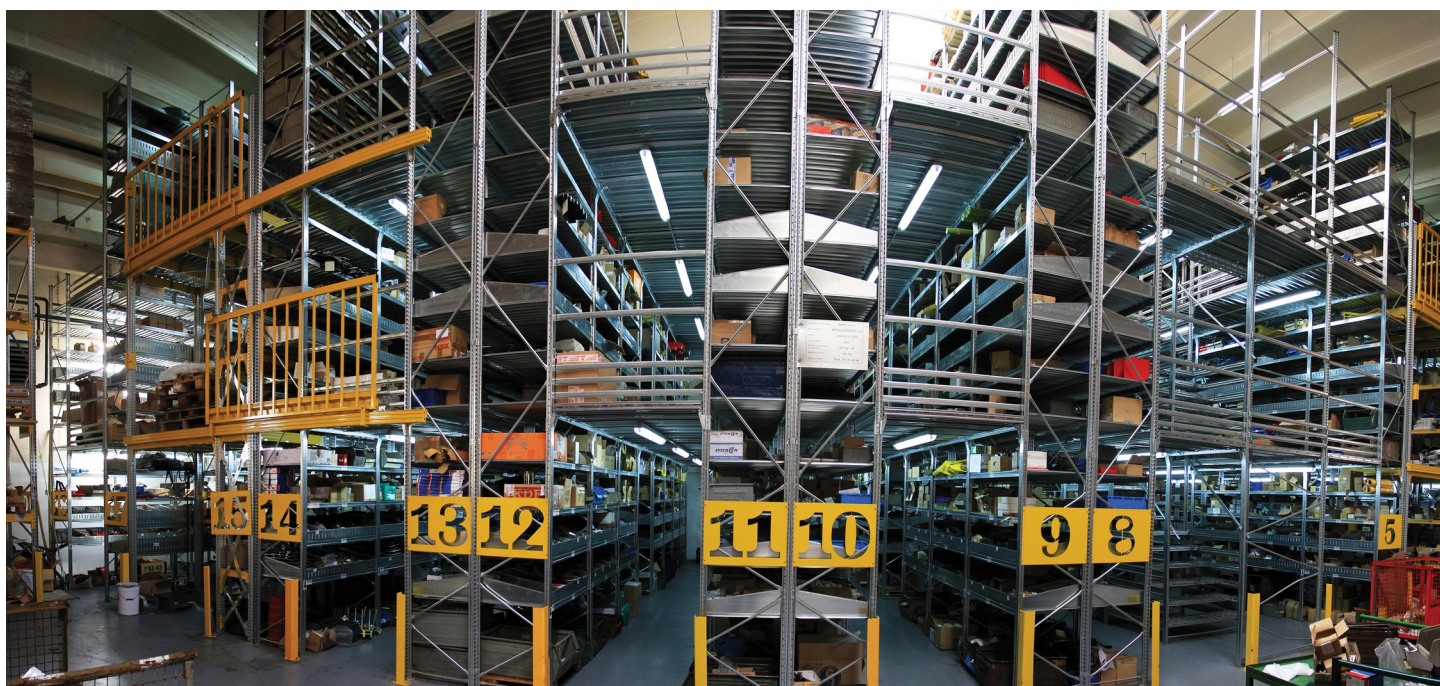
We understand agriculture and the needs of users, so this is why we build on the **best possible responsiveness** both in the service of machines and in rapid spare parts delivery.

In Slovenia, we have an established network of qualified contract service technicians. Their education and training are carried out every year at the company's headquarters. Upon completion of training, our service technicians receive a certificate.

It is also possible to buy original spare parts from authorised service centres. We offer free advice and support.

We have provided original spare parts for all sales programmes in recent years. Our central spare parts warehouse stocks more than 10,000 different parts for new and machines that are no longer produced.

Service technicians are **always there to help.**





SIP™



3
Years
WARRANTY



1

Counseling

In accordance with your needs and desires, our skilled dealers and distributors will advise you which machine is the best choice for you.



2

Machine purchase

When you buy the machine, we agree to take over the machine and first start-up.



3

Start-up

Before using the machine for the first time, we advise you on the manner and use of the machine and provide you with tips on proper machine maintenance.



4

Use

During your use, you can always contact our customer support.



5

Service

30 days before the expiry of the 2-year warranty, have your machine serviced by an authorized repairer.

2 YEARS



6

Flawless machine

For a technically flawless machine, we add an extra year of warranty without restriction.



7

Extended guarantee 2+1

An extended warranty of one additional year means an additional year of protection against the unexpected cost of repairing the machine.



8

Online complaint filing

Complaints filling via the online form for end users.

+1 YEAR

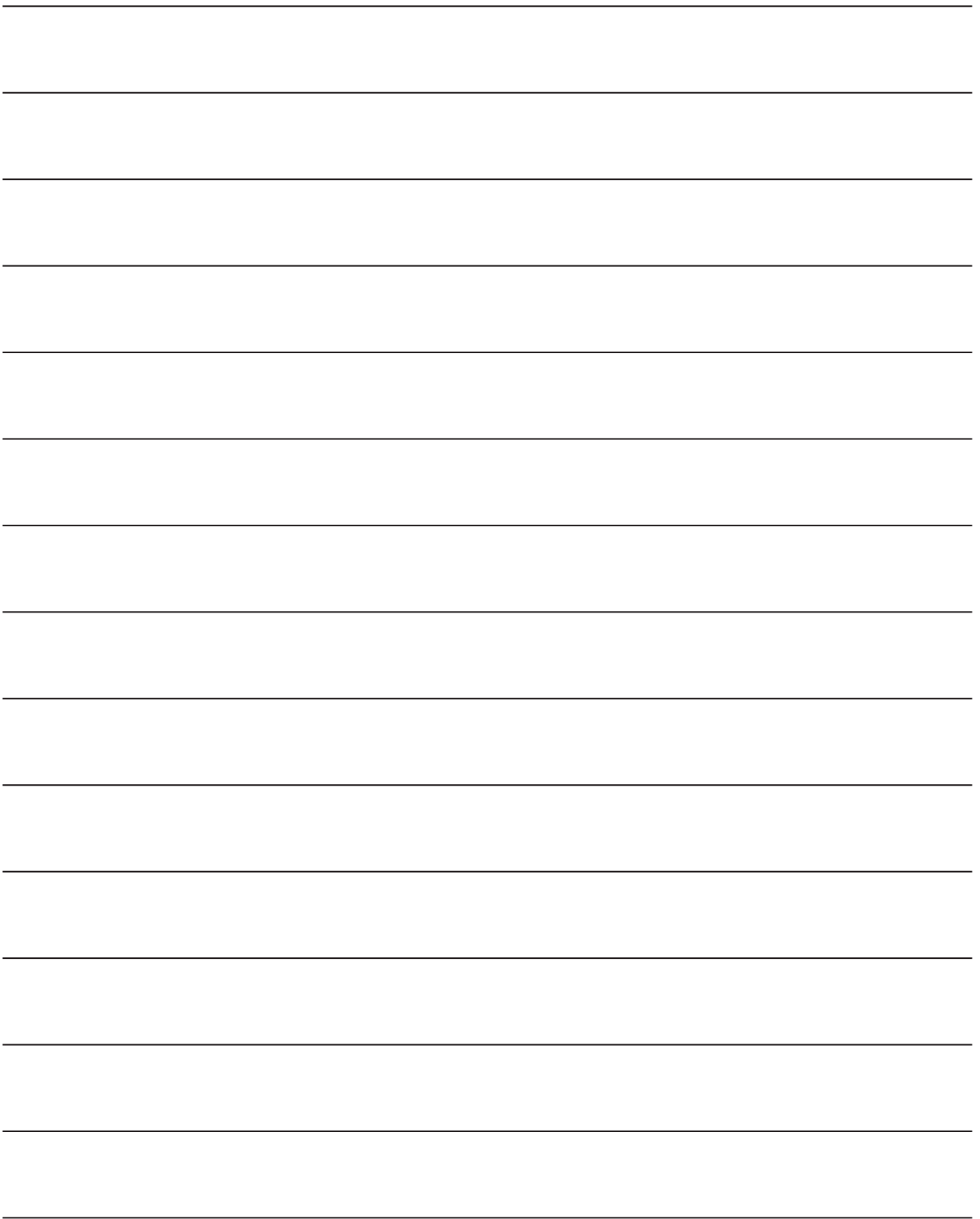


www.sip.si

Robust grassland harvesting

Need help?

service@sip.si | +386 3 70 38 650



CONTACTS

SIP STROJNA INDUSTRIJA D.D.

Juhartova ulica 2
3311 Šempeter v Savinjski dolini
Slovenia
T: +386 3 70 38 500
E: info@sip.si

SALES

+386 3 70 38 520
sale@sip.si

SALES UNITED KINGDOM

+44 7860 518873
sales.uk@sip.si

MARKETING

+386 3 70 38 699
marketing@sip.si

CUSTOMER SUPPORT

+386 3 70 38 650
support@sip.si

SPARE PARTS

+386 3 70 38 500
parts@sip.si

SERVICE

+386 3 70 38 525
service@sip.si

SERVICE SIP UK

+44 7706 756369
service.uk@sip.si

SERVICE

+386 3 70 38 525
service@sip.si

Dealer:

SIPTM



SIP STROJNA INDUSTRIJA D.D.
Juhartova ulica 2
3311 Šempeter v Savinjski dolini
Slovenia
T: +386 3 70 38 500
E: info@sip.si

www.sip.si

Robust grassland harvesting