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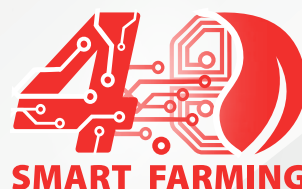
UNIA



RCW

RCW PLUS H, RCW HELIX

TRAILED SPREADERS





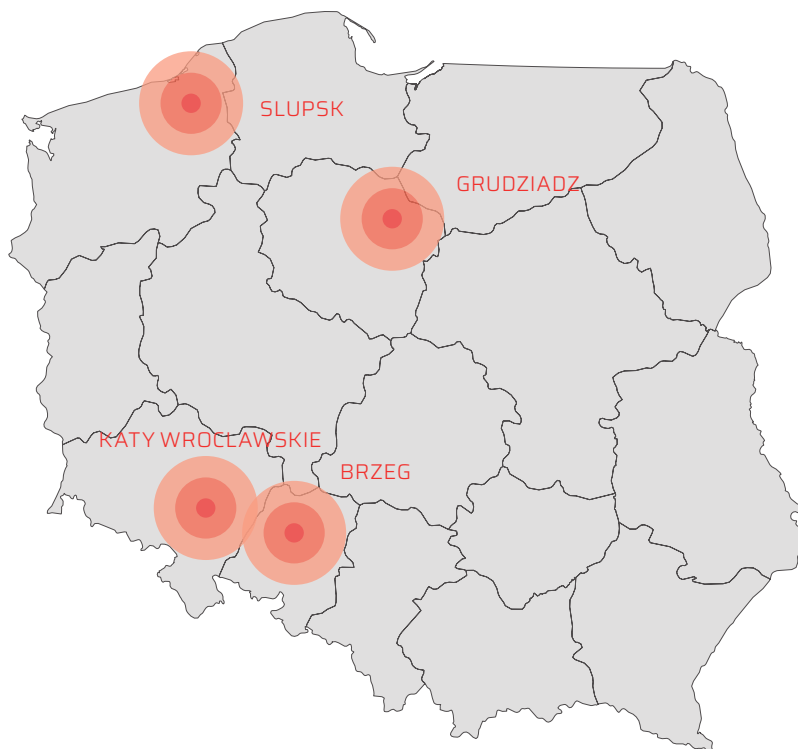
UNIA Sp. z o.o. is a Polish manufacturer offering the largest complex range of agricultural products in Europe.

We own 4 modern factories, equipped with world-class production equipment. Our history and knowledge dates back to almost 140 years. First cultivator and reversible plough in the world were produced in our factory.

Our products, through specialized distributors, reach farmers in more than 60 countries of the world, on every continent.

Thanks to this knowledge, we offer our customers not only modern machines, but also the best agronomic solutions used in the world's most demanding markets.

We offer a complex range of agricultural equipment: ploughs and cultivators, seeding equipment and combination seed drills, spreaders, balers and bale wrappers, sprayers, potato harvesters as well as grain storage technology.



4

FACTORIES

11,5 ha

PRODUCTION AREA

1200

EMPLOYEES

700

ITEMS IN OFFER

60

MARKETS



uniagroup.com

THE KEY ROLE OF FERTILISATION

Providing plants with the right amount of nutrients directly affects the size and quality of the harvested crop. High production costs as well as legal restrictions regulating application times and the amount of fertiliser applied (mainly nitrogen fertilisers), make farmers look for machines that, apart from efficiency, also offer high precision, which allows them to optimize production costs. Fertiliser spreaders are used on farms practically all year round (outside the winter season); therefore, **UNIA**, as a leading manufacturer of this type of machines, implements solutions that allow farmers to take maximum advantage of **RCW** spreaders.

The new line of well-known **RCW** trailed spreaders has been redesigned both stylistically and technologically to meet the requirements of customers all over the world. The new, reinforced structure of the frame and walls of the fertiliser hopper with a reduced inclination angle compared to previous models – thus facilitating the material falling onto the belt feeder – make the new **RCWs** even more durable and guarantee the highest quality of work. Thanks to the optional **ISOBUS** control, which is compatible with all 13 models of the new range, we can achieve maximum operating comfort and unmatched precision by spreading fertilisers based on application maps. All new models of trailed spreaders – **RCW**, **RCW PLUS** and **RCW HELIX** – have **EU 167/2013 type approval** and can be equipped with an additional Agriculture 4.0 package.





UNIVERSAL APPLICATION

All spreaders of **RCW** and **RCW PLUS** series are equipped, as standard, with two sets of spreading discs made of stainless steel, due to which the machine can be used both for the application of granulated fertilisers and lime. Simple replacement of discs allows for quick adaptation of the machine to the type of material applied. **RCW 130 TD** and all 4 models of the **RCW PLUS** series can also be equipped with a beam for spreading lime powder with a working width of 9 m, thanks to which the machine can become even more versatile in use. The proven spreading system made of stainless steel, thanks to a simple adjustment, allows you to achieve even coverage of the spread material from 10 to 36 m – for granulated fertilisers and from 8 to 20 m – in the case of lime.



Discs for granulated fertilisers



Discs for spreading lime



Beam for spreading lime powder



RCW60 H

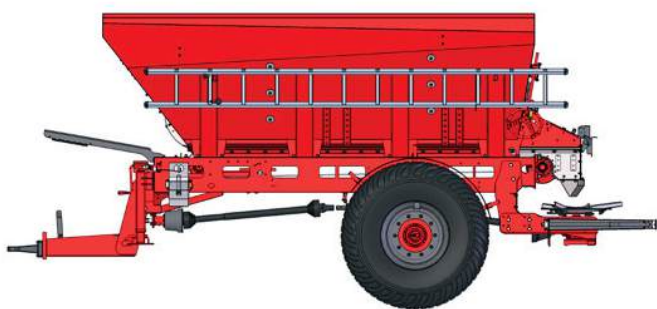
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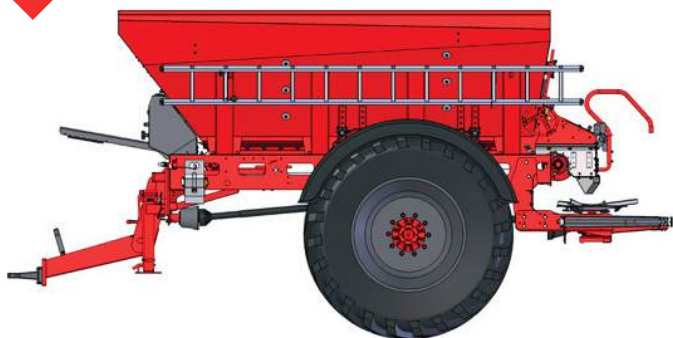
RCW / RCW H

The new models of **RCW** and **RCW H** series are characterized by both high efficiency and high accuracy in lateral coverage. The range includes 5 single-axle models and 3 tandem versions. In addition, **RCW 130 TD** has a „Boogie” type suspension with a rear steering axle, which makes manoeuvring the machine easy and comfortable, even when taking sharp turns. As standard, the machines are equipped with a mechanical drive; however, the **RCW 60 H**, **85 H** and **130 TD** models have a hydraulic conveyor drive. In addition, **H** version spreaders have the option of adjusting the wheelbase width, have wheels with a larger diameter, and are higher than standard **RCWs** by 25 cm, thanks to which losses during driving along tramlines are limited.

RCW 60



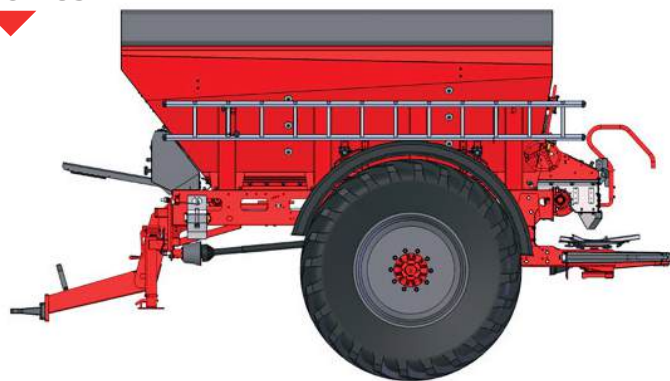
RCW 60 H



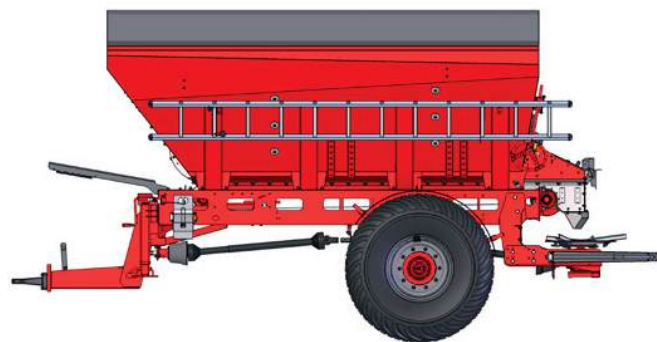
RCW 45



RCW 85 H



RCW 85



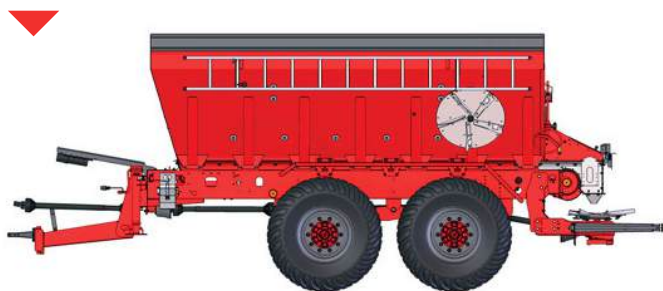
RCW	45	60	60 H	85	85 H	90 TD	110 TD	130 TD
Hopper capacity [dm ³]	4 500	6 000	6 000	8 500	8 500	9 000	11 000	13 000
Working width [m]	granulated fertilizers	10÷36	10÷36	10÷36	10÷36	10÷36	10÷36	10÷36
	lime	8÷20	8÷20	8÷20	8÷20	8÷20	8÷20	8÷20
Transport dimensions length / width / height [m]	4,93 / 2,52 / 2,43	5,42 / 2,40 / 2,45	5,56 / 2,57 / 2,74	5,42 / 2,45 / 2,79	5,56 / 2,62 / 3,10	6,67 / 2,40 / 2,59	6,67 / 2,45 / 2,78	7,05 / 2,70 / 3,04
Weight [kg]	2 430	2 840	3 230	3 120	3 630	4 200	4 400	5 600
Power demand [HP]	40÷60	60÷70	60÷70	80÷90	80÷90	130÷170	130÷170	> 200
Standard tyres	500/60-22,5	550/60-22,5	18.4 R38	550/60-22,5	520/85 R38	500/60-22,5	550/60-22,5	600/55-22,5

LEARN THE RELIABILITY OF RCW SPREADERS IN THE NEW VERSION

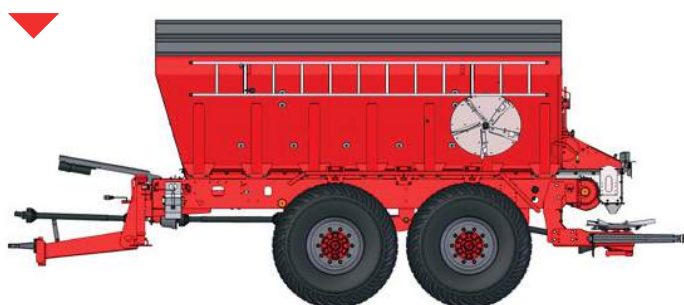
PRESENTATION
RCW 85H



RCW 90 TD



RCW 110 TD



RCW 130 TD

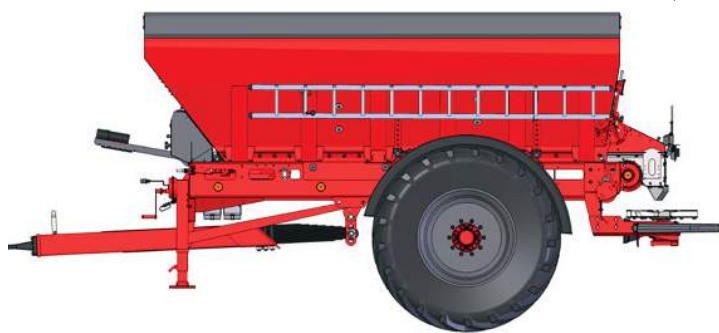




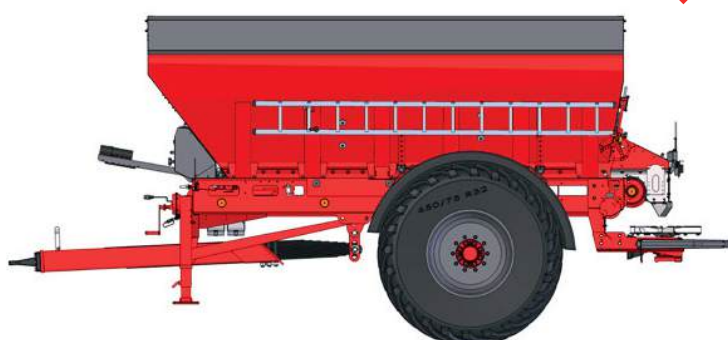
RCW PLUS H

The capacious fertiliser hoppers with a load capacity of 10,000 or 12,000 litres are one of the many advantages of the high-performance **RCW PLUS** spreaders. All four new models are equipped as standard with the **PILOT JOY** controller, which enables the maintenance of the preset spread dose regardless of the driving speed and facilitates the calibration of the machine settings for a given fertiliser. **RCW PLUS** has a hydraulic drive of the conveyor, a dual-circuit brake system, and a sprung bottom hitch on a longitudinal leaf spring, thanks to which the operator works in safe and comfortable conditions. As in the case of smaller spreaders, **RCW PLUS** version **H** is also higher than the basic version by approx. 25 cm (the difference in height also depends on the type and diameter of the selected wheels). Thanks to the wide range of optional equipment, including: a hydraulically controlled tarpaulin, limiter for border spreading, hydraulic sliders (left/right), **SUPERIOR** controller, or control using **ISOBUS**-compatible terminals, allowing for interchangeable dosing based on application maps, **RCW PLUS** spreaders can be tailored to the specific needs of your farm and provide unmatched performance. An additional advantage that makes these machines even more universal is the possibility of optionally retrofitting the machine with a beam for spreading lime powder with a width of 9 m

RCW 100 PLUS H



RCW 120 PLUS H



RCW PLUS		100 H	120 H
Hopper capacity [dm³]		10 000	12 000
Height of discs from the ground [cm]		120	120
Working width [m]	granulated fertilizers	10÷36	10÷36
	lime	8÷20	8÷20
Transport dimensions length / width / height [m]		7,05 / 2,87 / 3,09	7,05 / 2,87 / 3,21
Weight [kg]		4 450	4 750
Power demand [HP]		90÷120	130÷170
Standard tyres		580/70 R38	650/75 R32



EXTENSIVE STANDARD EQUIPMENT

In order to ensure the highest comfort of using spreaders and to adapt the machines to the requirements of modern agriculture, **RCW** and **RCW PLUS** spreaders are standard equipped with, among others:

Stainless steel discs for spreading fertiliser and lime



Mechanical conveyor belt drive



Mechanical drawbar support



Hydraulic conveyor belt drive



Border spreading disc



Dual-circuit brake system



WIDE CHOICE OF ADDITIONAL OPTIONS

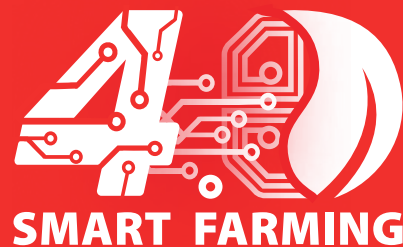
Thanks to many additional equipment options, configuring the machine to the needs of your farm is not a problem. The spreader can be retrofitted with functions such as:



Ball hitch K80



SUPERIOR controller



Additional
Agriculture 4.0 package

Mechanically or hydraulically foldable limiter
for border spreading



Beam for spreading powders



ISOBUS control with variable dosing [3 options
to choose from]



Hydraulic slider (left/right) for even more
precise spreading



CONTROL ADAPTED TO YOUR NEEDS



PILOT JOY

- Monochromatic display (3")
- Maintaining the set dose regardless of
- Ergonomic shockproof housing
- Intuitive operation
- Calibration function
- Quick change of the sown dose in the range of
- 50% to +50% every 10%
- Rotation speed control of spreading discs
- Measurement of the productivity achieved in ha/h
- Indication of working time, driving speed, errors
- Statistics for 10 fields



The control of the machine operating parameters and the possibility of precise calibration of the spreader are key to achieving maximum efficiency and comfort of work. **UNIA** offers a wide range of controllers so that you can decide which method of machine operation is the most convenient for you.



SUPERIOR

- Colour touchscreen (5,7")
- Maintaining the set dose regardless of driving speed Calibration function
- Control of hydraulic functions of the machine
- Control via the touchpad or joystick
- Quick change of the distributed dose of – 45% up to +45% every 5%
- Checking of rotation speed of the spinner discs
- Measurement of the covered area with the precision to 1 m²
- Measurement of the productivity achieved in ha/h
- Checking of operation of all sensors
- Reports from the operations performed – data transfer to the computer (USB port)

ISOBUS + TERMINAL + GPS + VRC

- Touch display terminal
- Android system
- GPS antenna (accuracy 15-30 cm)
- Control of hydraulic functions of the machine
- Extensive expandability of functions
- Calibration function
- Possibility to connect a camera
- VT / ISO Task Control – automatic sectioning
- Variable dosing – VRA
- Fertilizer presence control
- Reports on the work carried out

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ISOBUS (bez terminala)

- Control module
- Maintaining the set dose regardless of driving speed
- Calibration function
- Control of hydraulic functions of the machine
- ISOBUS socket on the machine side
- Control via tractor terminal or terminal Trimble
- Fertilizer presence control
- Control of the dosing rate
- Checking of rotation speed of the spinner discs

RCW HELIX ADVANTAGES OF USING LIME POWDER

The use of lime – including fertilising lime powder – to reduce soil acidity and improve soil fertility is an increasingly popular solution. Various types of lime are currently available on the market, with different compositions, fractions, time and mode of action. A specific group is fertilising limes, which, thanks to their powdery form, low humidity (below 2%) and high reactivity (exceeding 90%), allow for a quick improvement of soil pH, and thus – an increase in its crop-enhancing properties. However, for an effective and precise application of this type of lime, an appropriate machine is necessary, which will ensure both high efficiency and precise spreading on the entire surface of your field. Therefore, **UNIA**, as a leading manufacturer of agricultural machinery, introduced in 2019 the first generation of **RCWs** in the **HELIX** version, which has now been redesigned and improved. The new version of **RCW HELIX** enables even greater efficiency and precision of spreading, thanks to which liming has never been so enjoyable and easy!



ADVANTAGES OF LIMING

Limits acidification of fields (regulates pH)

Increases the humus content in the soil



Improves the chemical properties of the soil

Neutralisation of aluminium ions harmful to crops

Increasing the bioavailability of mineral fertilisers

Better soil oxygenation and improvement of its sorption capacity

RCW HELIX

The **RCW 150 HELIX** lime powder spreader is a machine dedicated to spreading this type of material. The fertiliser hopper with a capacity of 15,000 litres means that two loads are enough to empty a full tank of lime (about 27 tonnes), and one filling of the spreader does not take longer than 20 minutes. The tandem „Boogie” type suspension with a rear torsion axle enables efficient and comfortable manoeuvring of the machine, making it easier to take even very sharp turns. As a standard, the spreader is equipped with a 12 m or 9 m spreading beam with rubber aprons limiting the drift of the material. The beam additionally has the option of spreading with only half its width, thanks to which you can avoid repeated coverage of the same part of the field at the end of work. This solution also enables efficient spreading in fields with, for example, poles, trees, etc. In addition, both sides of the spreading beam (left and right) are driven by two independent hydraulic motors and have mechanically regulated sliders, which allow for even more precise regulation of the amount of material spread. As standard, the machine is equipped with a **SUPERIOR** control computer, which enables the maintenance of a constant rate and the operation of all hydraulic functions of the machine by means of a touch screen. Optionally, **RCW 150 HELIX** can be equipped with the Trimble **ISOBUS** control system (3 variants), which also enables variable dosing based on application maps. The operator's comfort and safety are also improved by a sprung hitch drawbar on a longitudinal leaf spring, a dual-circuit brake system, and a LED lighting beam. **RCW 150 HELIX**, like all other models of the new **RCW** line, has EU 167/2013 type approval.

RCW HELIX	150
Hopper capacity [dm ³]	15 000
Working width [m]	12
Transport dimensions length / width / height [m]	6,77 / 3,00 / 3,25
Weight [kg]	7100
Power demand [HP]	>200
Standard tyres	600/55-22,5





SYSTEM HELIX

with a beam width of 6 m

Key technical information:

- Hydraulically foldable beam for powdered fertilizers with a width of 6m.
- Powered by PTO (540 revolutions/minute).
- Compatible with spreaders RCW 45 / 60 / 85 / 90 TD / 110 TD.
- Can be connected to spreaders RCW 5500 and 8200 (produced since 2014).
- Works with both mechanical and hydraulic drive for the belt conveyor.
- Makes your RCW a multifunctional machine (for sowing granules, lime, and powdered fertilizers).
- Simple conversion from disc adapter to HELIX beam (approximately 30 minutes).



STANDARD EQUIPMENT :

- PILOT JOY controller allows to maintain the desired seeding dose regardless of the driving speed [RCW 60 H, 85 H, 130 TD]
- Fertilizer dosing system on the discs by belt conveyor
- Conveyor drive from star wheel [RCW 45, 60, 85, 90 TD, 110 TD]
- Hydraulic conveyor drive [RCW 65 H, 85 H, 130 TD]
- Mechanical drive of spinner discs
- Spinner discs for fertilizer and lime made of stainless steel
- Border disc
- Hopper sieves
- Top or bottom hitch [RCW 130 TD suspended lower hitch]
- Mechanical drawbar support
- Single-axis spreader [RCW 45÷85 H]
- Sprung tandem spreader [RCW 90 TD, 110 TD], Boogie type [RCW 130 TD]
- 2-line air brake system
- Handbrake
- Lighting installation
- Variable wheelbase [only RCW 60 H and 85 H]
- Rear steering axle [only RCW 130 TD]
- Wide angle PTO shaft (620 Nm)
- Mudguards [RCW 45, 60, 60 H, 85, 85 H, 90 TD, 110 TD]

OPTIONAL EQUIPMENT :

- PILOT JOY controller – main of taining of the preset dose of fertilizer or lime independently of driving speed (hydraulic belt drive)
- Multifunction control w.SUPERIOR Computer – main of taining of the preset dose of fertilizer or lime independently of driving speed (hydraulic belt drive)
- Resignation from controller SUPERIOR (monitor)
- ISOBUS control and variable application rate (control terminal, GPS receptor, VRA)
- ISOBUS control and variable application rate (control terminal, GPS receptor, VRA)
- ISOBUS control (without: monitor, navigation, variable rate)
- Transitional cable (speed sensor from socket ISO 7-pin ISO11786)
- Hydraulically folded load box tarpaulin – directly controlled
- Load box tarpaulin folded hydraulically – SUPERIOR or ISOBUS
- Device for border spreading of granular fertilizers, mechanically folded
- Device for border spreading of granular fertilizers, hydraulically folded
- Device for boundary spreading of granular fertilizers – hydraulically foldable by means of a SUPERIOR Computer or ISOBUS
- Hydraulic tailgate left/right – directly controlled
- Hydraulic tailgate left/right – SUPERIOR or ISOBUS
- Mechanical conveyor drive (only for RCW 130 TD / without PILOT JOY)
- Hydraulic support [RCW 130 TD]
- Beam for sowing dust lime, 9m wide (only for RCW 130 TD with SUPERIOR computer or ISOBUS)
- Beam for sowing dust lime, 12m wide (only for RCW 130 TD with SUPERIOR computer or ISOBUS)
- Ball hitch K80
- Mudguards [RCW 130 TD]
- Hydraulic brake system (no EU 167/2013 homologation)
- Resignation from homologation (no marker lights, 1-line brake system)
- Other wheels options available on UNIA ordering portal
- Agriculture 4.0 package
- HELIX beam for sowing powdery fertilizers with a width of 6 meters



RCW PLUS H

STANDARD EQUIPMENT :

- Manure dosing system on the discs by belt conveyor
- Hydraulic drive of the conveyor
- PILOT JOY controller allows to maintain the desired seeding dose regardless of the driving speed
- Mechanical drive of the spinner discs
- Spinner discs for fertilizer and lime made of stainless steel
- Border disc
- Hopper sieves
- Sprung bottom drawbar on a longitudinal leaf spring
- Mechanical drawbar support
- Single-axis spreader
- 2-line air brake system
- Handbrake
- Lighting installation
- Wide angle PTO shaft (620 Nm)
- Rear working platform

OPTIONAL EQUIPMENT :

- Multifunction control w. SUPERIOR computer – maintaining of the preset dose of fertilizer or lime regardless of driving speed
- Resignation from controller SUPERIOR (monitor)
- ISOBUS control and variable application rate (control terminal, GPS receptor, VRA)
- ISOBUS control and variable application rate (control terminal, GPS receptor, VRA)
- ISOBUS control (without: monitor, navigation, variable rate)
- Transitional cable (speed sensor from socket ISO 7-pin ISO11786)
- Hydraulically folded load box tarpaulin – directly controlled
- Load box tarpaulin folded hydraulically – SUPERIOR or ISOBUS
- Device for border spreading of granular fertilizers, mechanically folded
- Device for border spreading of granular fertilizers, hydraulically folded
- Device for boundary spreading of granular fertilizers – hydraulically foldable by means of a SUPERIOR Computer or ISOBUS
- Hydraulic tailgate left/right – directly controlled
- Hydraulic tailgate left/right – SUPERIOR or ISOBUS
- Mechanical conveyor drive (only for RCW 100 PLUS and RCW 120 PLUS / without PILOT JOY)
- Hydraulic support
- Beam for sowing dust lime, 9m wide (SUPERIOR computer or ISOBUS required)
- Ball hitch K80
- Mudguards
- Hydraulic brake system (no EU 167/2013 homologation)
- Resignation from homologation (no marker lights, 1-line brake system)
- Other wheels options available on UNIA ordering portal
- Agriculture 4.0 package



RCW HELIX

STANDARD EQUIPMENT :

- Fertilizer dosing system on the beam or discs by belt conveyor
- Hydraulic drive of the conveyor
- SUPERIOR computer – maintaining the spread rate
- Beam for dusty fertilizers with hydraulic drive
- Hydraulic tailgates left/right
- Hydrant connections for pneumatic loading
- Hydraulic tarpaulin
- Sprung bottom drawbar on a longitudinal leaf spring
- Mechanical drawbar support
- Tandem spreader with Boogie type suspension with rear steering axle
- 2-line air brake system
- Handbrake
- Lighting installation

OPTIONAL EQUIPMENT :

- Transitional cable (speed sensor from socket ISO 7-pin ISO11786)
- ISOBUS control and variable application rate (control terminal, GPS receptor, VRA)
- ISOBUS control and variable application rate (control terminal, GPS receptor, VRA)
- ISOBUS control (without: monitor, navigation, variable rate)
- Hydraulic support
- Beam for sowing dust lime, 9m wide
- Ball hitch K80
- Mudguards
- Hydraulic brake system (no EU 167/2013 homologation)
- Resignation from homologation (no marker lights, 1-line brake system)
- Other wheels options available on UNIA ordering portal
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UNIA Sp. z o.o.

Szosa Torunska 32/38, 86-300 Grudziadz, Poland

NIP: PL 8761008692

tel: +48 56 45 10 500, www.uniagroup.com

