

FERTILIZATION,
TRANSPORT,
POTATO TECHNOLOGY



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24
MONTHS
WARRANTY



UNIA Catalogue

Edition: July 2018

UNIA hereby reserves the right to introduce changes in the offer, especially to withdraw products from sale or change specifications without prior notice.

The colours on the pictures may slightly differ from those available in reality.

The weight of the machines is stated in KG, the power in HP, the length in CM.

MS / MX

Double disc fertilizers with hoppers of 400 to 3000 litres capacity and a working width of up to 36 metres. The most common equipment in small and medium farms, but also efficient in large agricultural companies.

MS			
MODEL	CAPACITY [L]	WIDTH [m]	POWER DEMAND [HP]
400	400	10-24	50
500	500	10-24	50

Cover for border spreading

for precise spreading by the field boundaries

Loading hopper sieves

with fine mesh enable smooth fertilizer spreading.



Precise spreading

up to 24 meters

Easy access

for the adjustment of the spreading dose and working width

Special painting coats

full powder painting of the entire fertilizer

MS 500

Double bar system

for precise adjustment of the spreading dose and opening/closing



Spreading discs

with stepless working width adjustment up to 36 metres

Spreading mechanism

made of stainless steel

MX 850

MX

MODEL	CAPACITY [L]	WIDTH [m]	POWER DEMAND [HP]
850	850	10-24	60-70
1200	1200	10-24	80-90
1600	1600	10-36	100-120
2100	2100	10-36	140-160
3000	3000	12-36	above 180



Optionally

a stainless steel hopper available.



When the hopper is being filled, the tarpaulin is folded up

it enables the spreading of fertilizers even at adverse weather conditions.



BYK loader

enables fast loading of fertilizer big bags of up to 1000 kg.

MXL / MXL PREMIUM

MODEL	CAPACITY [L]	WIDTH [m]	POWER DEMAND [HP]
1200	1200	10-36	80-90
1600	1600	10-36	90-100
2100	2100	12-36	120-140
3000	3000	12-36	above 180
5500 premium	5500	12-36	60-70
8200 premium	8200	12-36	80-90

MXL / MXL PREMIUM

Double disc mounted and trailed fertilizer spreaders with an innovative worm fertilizer dosing system with capacity from 1200 to 8200 litres and working width up to 36 meters.

MXL PREMIUM series is an offer for large agricultural farms and service companies expecting high efficiency and precision of spreading on the basis of soil richness maps.

One hydraulic engine
powering two worm feeders

MSR 10 Controller
with intuitively located buttons



MXL 1200

Road lights

installed in standard option

Two hydraulic engines
independently driving two dosing worm feeders

UTS Controller
working in the ISOBUS standard for maintaining constant fertilizer dose



MXL 1600 PREMIUM

Simple and fast aggregation

with a tractor due to lifted lower rods

Worm unit rotations

up to 700 rpm ensure constant fertilizer flow

The main task of computers is to maintain the preset dose of fertilizer regardless of the driving speed.



Computer Pilot Joy



Computer Superior



Computer UTS – standard ISOBUS



Limiter

enables easy top precision of spreading by the field boundaries.



MXL PREMIUM Fertilizers

guarantee top precision of mineral fertilizer spreading due to 100% use of precise agriculture.



RCW / RCW PLUS / RCW PREMIUM

Trailed fertilizers of RCW series are universal machines used for spreading quicklime and mineral fertilizers. A wide range of fertilizers and a wide portfolio of options makes it possible to turn even a small machine into a multifunctional and highly efficient working equipment suitable for users for the work in medium farms, large agricultural companies and in agricultural service providers.

RCW / RCW PLUS / RCW PREMIUM

MODEL	CAPACITY [L]	WIDTH [m] quicklime / fertilizer	POWER DEMAND [HP]
3000	3000	8-16 / 10-36	50
4000	4000	8-16 / 10-36	60
5500	5500	8-16 / 10-36	70
8200	8200	8-16 / 10-36	80
10000	10000	8-16 / 10-36	120
100	10000	8-16 / 15-48	110
120	12000	8-16 / 15-48	140
120 TD	12000	8-16 / 15-48	110
5500 PLUS	5500	8-16 / 10-36	70
5500 PLUS M	5500	8-16 / 10-36	70
8200 PLUS	8200	8-16 / 10-36	90
8200 PLUS M	8200	8-16 / 10-36	90
5500 PREMIUM	5500	8-16 / 10-36	70
8200 PREMIUM	8200	8-16 / 10-36	90

Superior computer
for a comfortable and intuitive fertilizer operation

Steep hopper walls
guarantee fertilizer sliding even in a hilly terrain

Working width
up to 48 metres ensures unique work productivity



Spring drawbar
perfectly absorbs any vibration

Large wheels
reduce soil pressure and enable work in difficult conditions

RCW 120



Universal RCW fertilizers
available with hoppers of 3000 to 12000 litres capacity.



Hydraulic bar
enables one-sided detachment of right or left side when working on a cuneiform field.



Tarpaulin enables work continuation
in adverse weather conditions protecting the fertilizer against humidity in the course of rainfall.

TYTAN PREMIUM

MODEL	CAPACITY [t]	HOPPER CAPACITY [m³]	POWER DEMAND [HP]
7	5,5	5,5	60-70
8	6,5	7,0	70-80
10	8,0	9,0	90-100
11 TD	9,0	10,0	100-110
13 TD	10,0	11,0	110-120
18 TD	14,0	15,0	130-150

TYTAN PREMIUM

The range of TYTAN PREMIUM spreaders offers machines from 5.5 to 14 ton capacity.

In the spreaders we can apply adapters that guarantee an even spread with various materials. TYTAN PREMIUM spreaders are best adjusted to the farmers' needs. They can be universally used as manure and lime spreaders but also as volume trailer for green crops.

Solid loading hopper

A tight self-carrying structure facilitates washing and maintenance

A wide selection of adapters

- vertical 2 shaft
- vertical 4 shaft
- horizontal + disc
- crushing + disc adapters



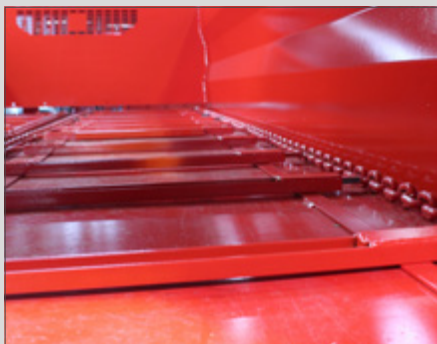
Four conveyor chains

ensure even mass load for each chain

Hydraulically adjustable belt movement

with a gear designed to transfer high loads

TYTAN 8 PREMIUM



Chain conveyor

TYTAN spreaders are equipped with conveyors composed of four chains. The chains are made of high-quality steel of 11 m diameter; along with special strikes they are suitable for carrying large loads.



Large diameter of nest wheels

allows lower chain wear and tear.



Axle suspension guarantees smooth driving

even in the most difficult terrain.



TYTAN 20 / 24 / 30 / 36

TYTAN series are the largest spreaders manufactured in Poland designed for the most difficult conditions and large farming companies that value speed and quality of work most. The machine can be used as a spreader for manure, lime, chicken manure or as a volume trailer for collecting green crops. A wide application of the equipment results in a considerable reduction of costs generated in farming.

TYTAN

MODEL	CAPACITY [t]	HOPPER CAPACITY [m ³]	POWER DEMAND [HP]
20	14	13,5	120-150
24	18	16	above 150
30	22	19	above 250
36	24	30	above 280

Closing adapter cover

facilitates peat, lime, compost and light chicken manure spreading

Tailgates

seals the loading hopper and limits the mass load on the spreader adapter

Adapter blades

installed in standard option from top quality hardened boron steel

Tube structure

and solid undercarriage guarantee reliable work

Floor conveyor drive

is passed by a hydraulic gear designed especially to transfer high loads

Wheel assembly with TUV certificate

Standard option includes wheel assembly (with TUV certificate) of increased durability

TYTAN 36



Volume an adapter

TYTAN 36 spreader can be equipped with a volume attachment with a hydraulically opened wall. Due to such an option, the machine can be universally used as a volume trailer with self-unloading function for green or corn crops.



A wide 2-cylinder adapter

Two cylinders and discs with four blades enable reaching several meter of spreading width while maintaining highly even spread.



Driving system

The application of a 3-axle drive system enables the spreader operation even in difficult field conditions. The spreader turns or U-turns on the headlands due to the application of a turnable 1st and 3rd axle (self-adjusting) in the drive system.

APOLLO

MODEL	CAPACITY [t]	HOPPER CAPACITY [m³]	POWER DEMAND [HP]
6	5,5	6,0	50-60
8	6,5	7,5	70-80
10	8,0	10,0	75-90
11	9,0	11,0	80-100
14	11,0	13,0	100-115
16	13,0	16,5	120-130
8 premium	6,5	7,5	70-80
10 premium	8,0	10,0	75-90
11 premium	9,0	11,0	80-100
13 premium	10,0	12,0	80-120
14 premium	11,0	13,5	100-115
16 premium	13,0	16,5	120-130
24 premium	18,0	20,0	above 180

APOLLO / APOLLO PREMIUM

The APOLLO series is an answer to the demand of customers who would like to increase the spreader capacity while maintaining a single axle. Owing to the low demand for tow capacity, APOLLO spreaders are ideal to meet the expectations of small and medium farms where the main tractor has lower power. Owing to its mobility the APOLLO series is also applicable in large farming companies, where the work efficiency is what matters most.

Wide adapter (2 metres)

enables even more efficient material spread in the field

Quick adapter disassembly

enables the machine transformation into a volume trailer

Hydraulic gear

designed so as to transfer large loads that can occur during the material spreading

APOLLO 14 PREMIUM

Large wheels

protect the soil structure and enable manoeuvres and driving in difficult working conditions

Lengthwise spring drawbar

which perfectly reduces any unevenness during the spreader operation



A wide 2 m adapter

guarantees a larger working width while preserving very good spread steadiness.



Hydraulic gear

designed especially to transfer high loads.



Spring drawbar

in APOLLO spreaders the shaft is suspended on adjustable lengthwise leaf spring, which perfectly reduces any unevenness during the spreader operation.



PS

agricultural trailers

TANDEM SHELL TRAILERS

MODEL	CAPACITY [t]	HOPPER CAPACITY [m ³]
PS-20	14	16,5
PS-22	16	16,5
PS-20 W (elevated box)	14	16,5
PS-22 W (elevated box)	16	16,5
PS-24	16	16,5

Hermetic loading box

allows for transport even very small or liquid material

Compact design of load box

allows to carry heavy materials with high surface pressure

Low loading height,

one applications of the trailer is that is suitable to work with an elevator potato digger. That is why the loading height does not exceed 3 m

A three-side tipping

of the load box enables fast and easy unloading of the trailer

Chute at the back of box

allows to unload powder materials to stream



PS-20 W



Solid and hermetic

closing of the rear gate by clamping hooks that automatically lock the rear gate after it is lowered.



Hydraulically elevated rear gate

allows for efficient and quick unloading of the transported materials.



PS 22 trailer

is lifted to the high of 2,3 m, allows to unload directly into baskets as well as to make high piles.

TRAILER TECHNOLOGY

MODEL	CAPACITY [t]	HOPPER CAPACITY [m³]
36	33-36	34-38

BIZON

trailer technology

BIZON technological trailer

can be used not only to transport and load grains, but also for granulated fertilizers

Two screw conveyors placed in the bottom of the load box ensure its rapid unloading, and three holes in the bottom (hydraulically controlled) allow to empty the trailer to the last grain



Highly elevated unloading tube enables to reload seeds into the trailers of trucks

BIZON 36



Mounted as standard turnable wheels perfectly enhance the maneuverability of the trailer.



The efficiency of reloading for BIZON trailer is 500 tonnes per hour.

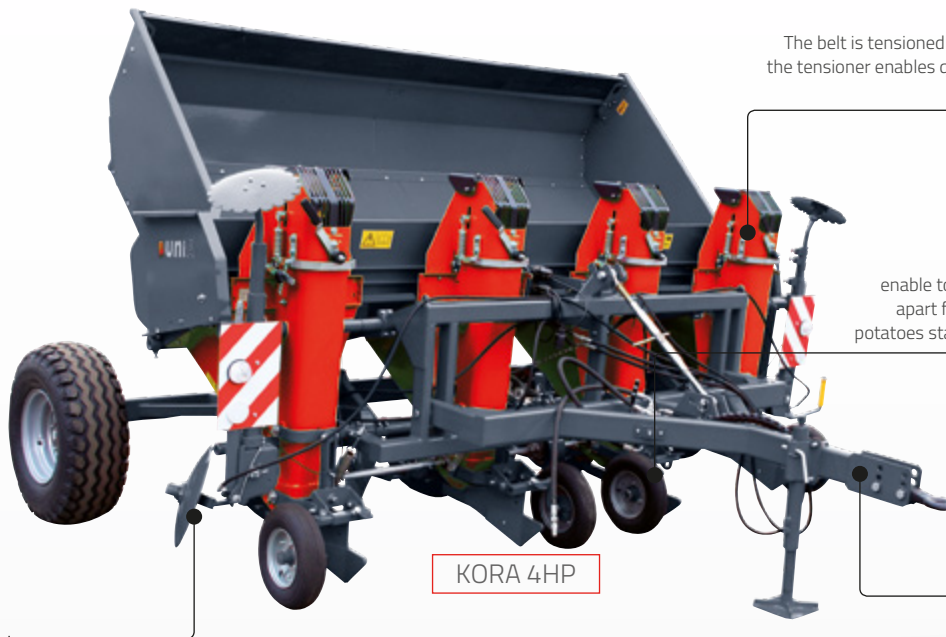


KORA 2 / 4 / 4h / 4hp / 4ho

potato planter

KORA

MODEL	CAPACITY [kg]	INTERROW WIDTH [cm]
2	400/450	70/75
4	840/900	70/75/90
4H	1100/1150	75/90
4HP	2000/2200	75/90
4HO	1000	75



KORA 4HP

Tensioner

The belt is tensioned uniformly with one lever from both sides. Moreover the tensioner enables quickly disconnection the planting belt (e. g. after the completion of work or after the season)

Ground-following wheels

enable to maintain the same planting depth in all rows, even apart from the curvature of the terrain. It is important that potatoes start to grow at the same time in the entire plantation

Semi-mounted system

thanks to the semi-suspended system used, the tractor power needed for operation of the 4HP planter is only 75 HP

Ridging discs

Positioning of the discs enables to adjust their angle of inclination and the distance between them. By placing the discs properly, we can obtain different shape of ridges and a different cover height of potatoes

Bulk fertilizer scatterer

In KORA 2 and KORA 4 planters, you can, as an option, install the scatterer of bulk fertilizer that supplies it close to the planted potatoes



KORA 2 for sprouted potatoes

Platform for seed-potatoes boxes

In Kora 2 and Kora 4 planters is possible to add optional set for planting sprouted potatoes: rear and side platforms for boxes with seed-potatoes and vibration panels which decrease damages in planted bulbs



Light, classic two-row planter

with the hopper load capacity of 400/450 kg, mainly intended for use in small and medium-sized farms.



An efficient 4-row planter

potato planter with hydraulically lifted hopper with load capacity of 1100/1150 kg provides comfortable working conditions in larger farms.



Transmission

Planters are equipped with chain transmissions that enable to obtain 15 different distances between the seed-potatoes in a row, in the range from 12 to 48 cm.

KORA 2 / 4 / 4h / 4hp / 4ho

potato planter

LED lighting

The light improved by engineers provides even greater visibility and safety during transport

Rear swinging beam

100 and 120x50x60 mm sections provide a stable connection with the forming device

The forming device

of trapezoidal shape ensures an effective supply of moisture into the ridge

Potato hoppers

capacity of 1000 kg, lifted hydraulically



KORA 4HO



KORA 4HO

Fertilizer scatterer

two hoppers with capacity of 100 dm³ guarantee efficient work

Hydraulic markers

(in the additional option) facilitate bypassing obstacles

Fertilizer supply line

fertilizer is supplied to the coulter by a flexible tube

Disc scraper

is equipped with discs of a diameter of 460 mm

Ground-following wheels

wheels are available in size 4.00-R8



Metering of fertilizer

A starting dose of fertilizer is sown with groove metering units. Fertilizer dose is adjusted in the range from 70 to 580 kg per hectare using a knob.



Buckets

ensure picking up single seed-potatoes between 35 and 60 mm. As an option, it is possible to equip buckets with inserts for large or small potatoes.



Tilt adjustment

Smooth tilt adjustment of the forming device allows to obtain the suitable shape of the ridge.

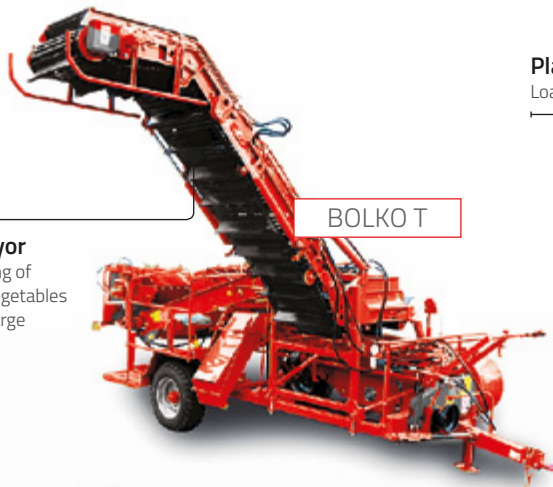


BOLKO S-T

potatoes and vegetables harvesters

BOLKO

MODEL	WEIGHT [kg]	POWER DEMAND [HP]
BOLKO	1971	40
BOLKO S	1531	30
BOLKO T	2090	25

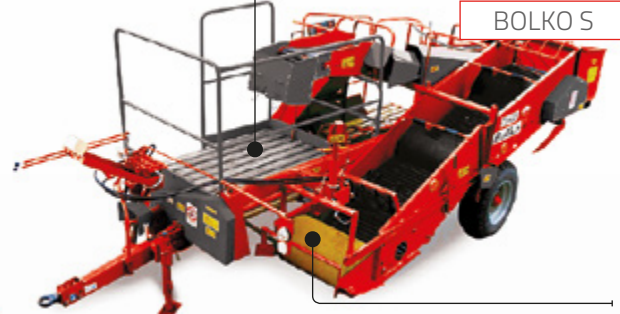


BOLKO T

An extra conveyor
enables direct loading of potatoes or other vegetables on the trailer (discharge height 3.1 m)

Platform and bag loader

Load capacity up to 500 kg



BOLKO S

Mechanical control of hydraulic system



Sifter

includes rods covered with rubber to prevent potato damage. Adjustable shaker and rubber elements placed above the sifter, clean potatoes and crush soil clods and prevent the potatoes to roll forward

Onion pick-up (optional)

facilitates the collection of onion from the strip of width up to 0,65 m

Stalk separator

BOLKO

Disc coulters

The coulters prevent the soil from moving aside and losing potatoes



Swinging scraper (standard)

Two swinging elements raking potatoes from conveyor on the picking table.



Circular scraper (optional)

Powered hydraulically and positioned above the conveyor, effectively and gently slides potatoes on the picking table.



Stalk separator

Specially shaped rods deliver stalks to rubber roller, which draws them up and throws on the field.

FORMA

MODEL	INTERROW WIDTH [cm]	WEIGHT [kg]	POWER DEMAND [HP]
2	70/75	420	45
4	70/75	700	

FORMA 2/4

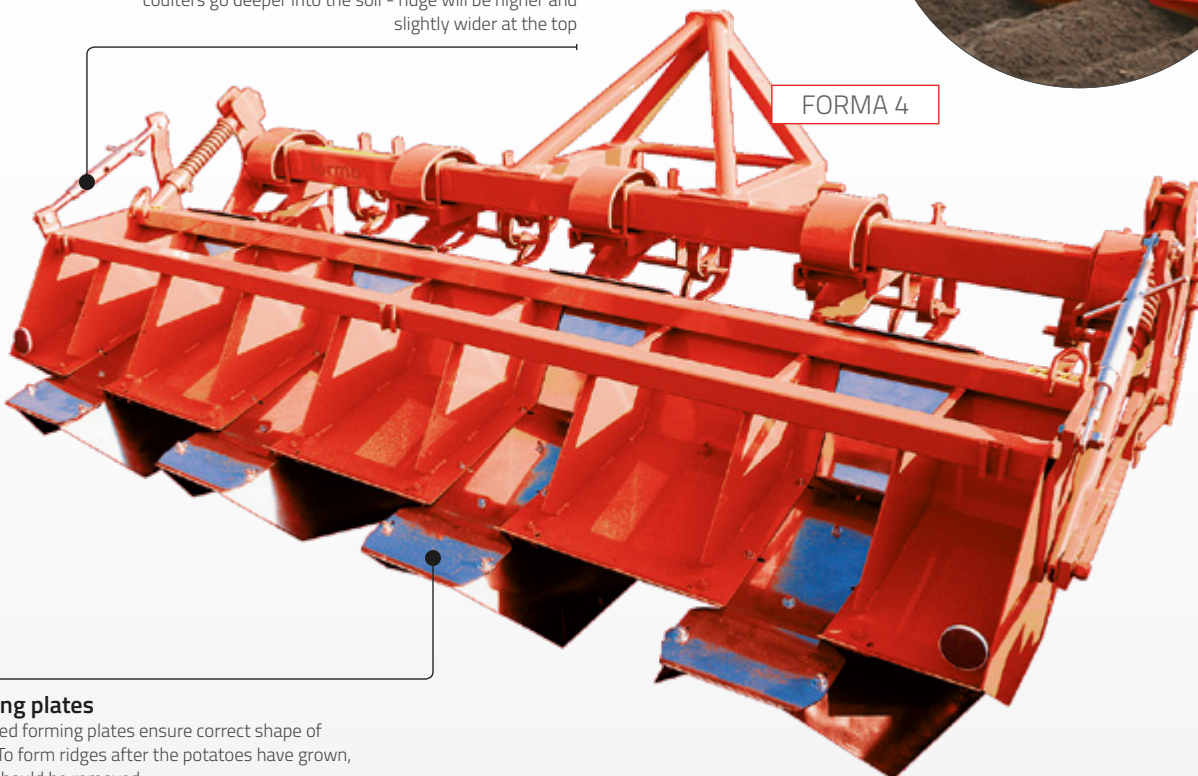
ridging ploughs with a forming device



FORMA 2

Ridges height adjustment

The height of formed ridge is adjusted by changing length of an adjusting screw. By tightening the screw the coulter goes deeper into the soil - ridge will be higher and slightly wider at the top



FORMA 4

Forming plates

elongated forming plates ensure correct shape of ridges. To form ridges after the potatoes have grown, plates should be removed



Forma 2

Ridging plough with forming device is designed to ridge and form the potato ridges on light and semi-compacted soils, also with stones.



Ridging plough

The front part of the device is a ridging plough equipped with a tool boom with spring tines and ridging bodies installed on it.



Coulter

A plate with a furrow-making device forming ridges in trapezoidal shape, slightly convex with a groove on the top. Trapezoidal shape of the ridge after operation of ridging plough ensures better moisture retention in the ridge



PYRA 1600

potatoes and vegetables harvester

PYRA

MODEL	CAPACITY [kg]	WORKING WIDTH [cm]
1600	1600	75



Platform and bag loader
load capacity 1000 kg

PYRA 1600
with platform
and bag loader

Potato hopper
Potato load capacity 1600 kg (Pyra 1600) or 3000 kg (Pyra 3000)
Unloading height 1.35 – 2.70 (Pyra 1600)



Guiding roller
with a rolling coulters of 570 mm

Drawbar
hydraulically adjustable

Wheels
Pyra 1600 – 11,5/80-15.3-10PR
Pyra 3000 – 385/60 R22.5

PYRA 1600

Digger frame



RAIN COVER

Pyra 1600 can be equipped with special rain cover. It protects the workers from the rain or sun contributing to the comfort of work.



DIGGERS

Pyra 1600 can be equipped with a diggers, rollers to potatoes, carrots and special roll to pick up the onions.



Extra cleaning section

Wide-division conveyor gently separates the stalk and clods from potatoes. It is important when digging potatoes in difficult field conditions, and fields with lots of stalks or weeds.

PYRA

MODEL	CAPACITY [kg]	WORKING WIDTH [cm]
3000	3000	75/90

PYRA 3000

potatoes and vegetables harvester

PYRA 3000



Hydraulic control

The harvester hydraulic system can be controlled from the tractor cabin. Electromechanical control of the harvester hydraulic control system is an option.



Turning wheels

Hydraulically controlled turning of wheels in PYRA 3000 combine harvester, facilitates turning at the ends of fields, when working on slopes, accessing trailers for unloading.



BIG hopper

The hopper with capacity of 3 tons affects the good efficiency of the harvester. The unloading height can be control in the range of 1,25 to 3,7 m.

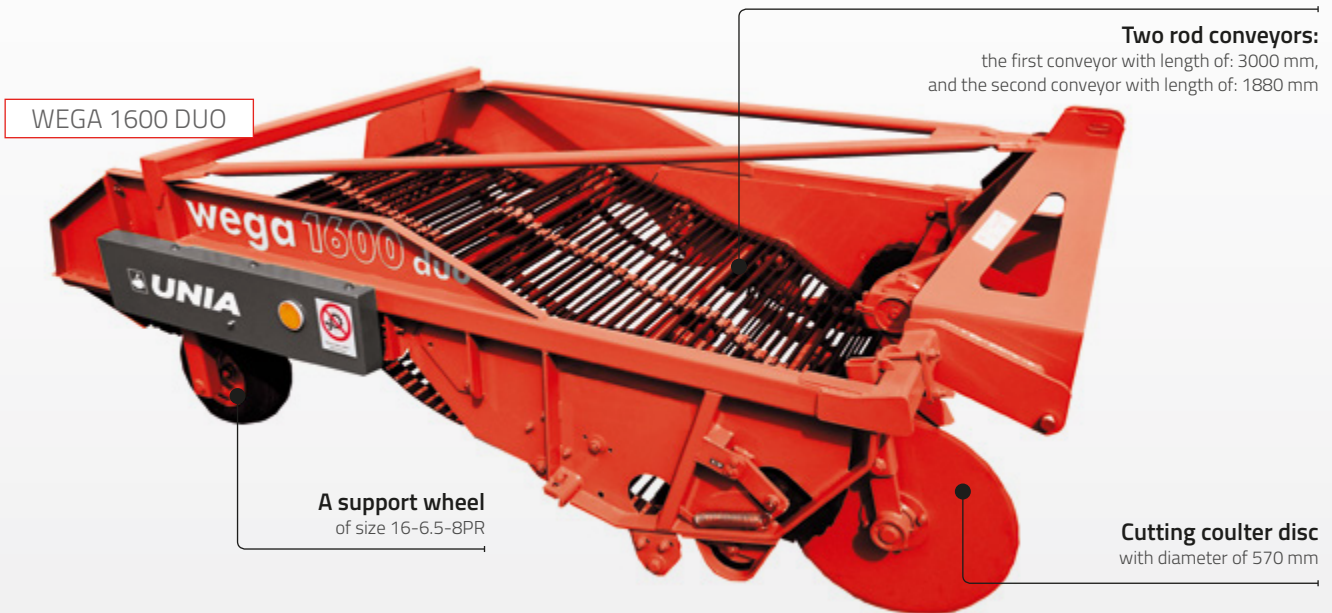
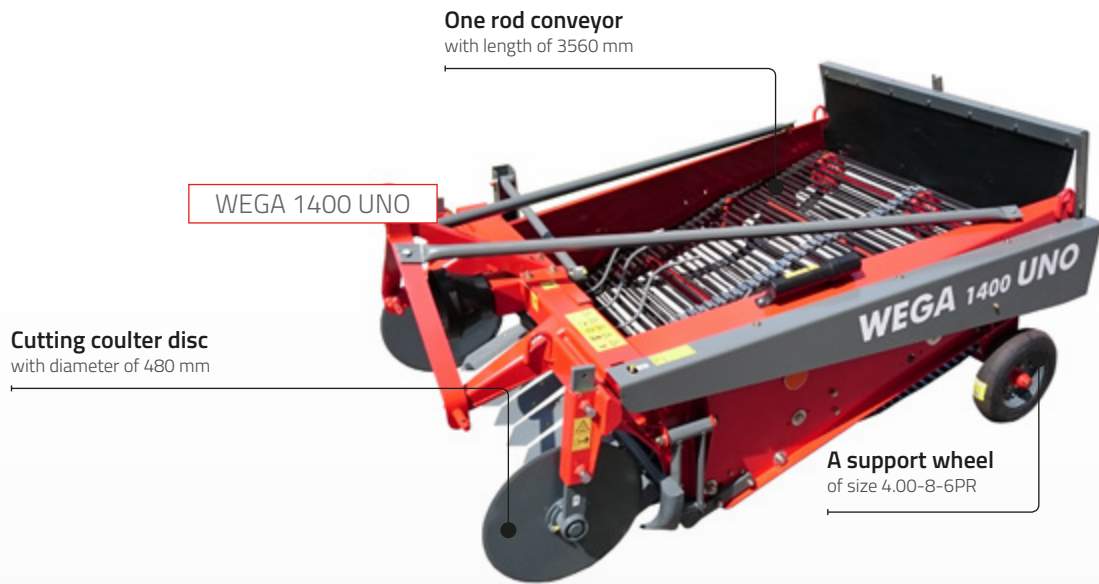


WEGA 1400 UNO / 1600 DUO

potatoes and vegetables diggers

WEGA

MODEL	WORKING WIDTH [cm]	INTER-ROW WIDTH [cm]	WEIGHT [kg]
1400 uno	1400	70-75	608
1600 duo	1600	75-90	720



Packing roller – WEGA 1400 UNO

A roller installed between the wheels of the digger to level the soil under falling potatoes or vegetables, which facilitates and accelerates their pick-up.



Digging share for vegetables

The digger can be used for harvesting onion and other vegetables after replacing the digging share with a special plate.



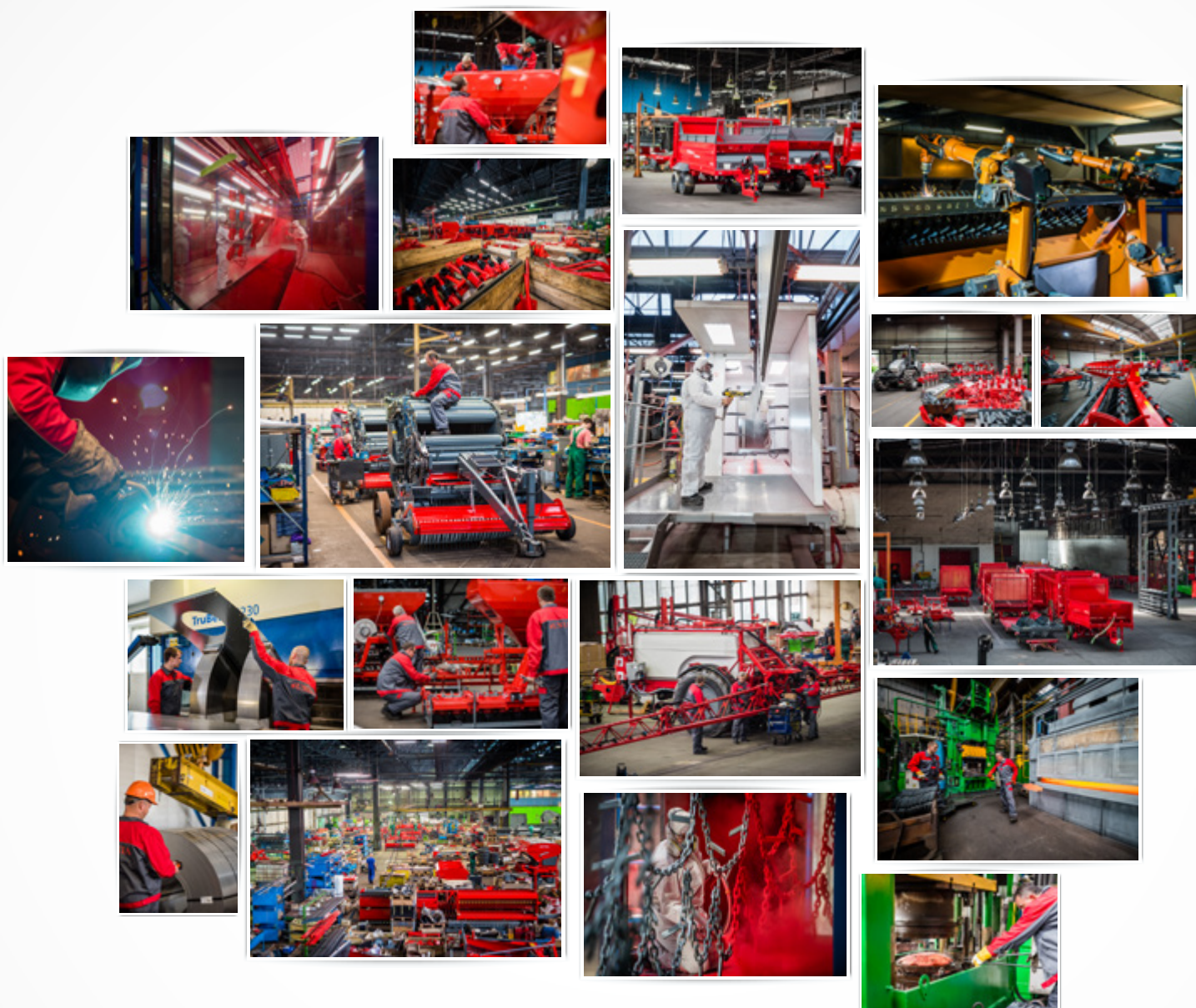
Shaking system

In order to effectively clean the vegetables and sift soil, transversely shaking rods are installed in front and rear part of the digger.





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DEALER