



MECANICA CEAHLAU

Agricultural machinery and equipment



www.mecanicaceahlau.ro

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WHO WE ARE

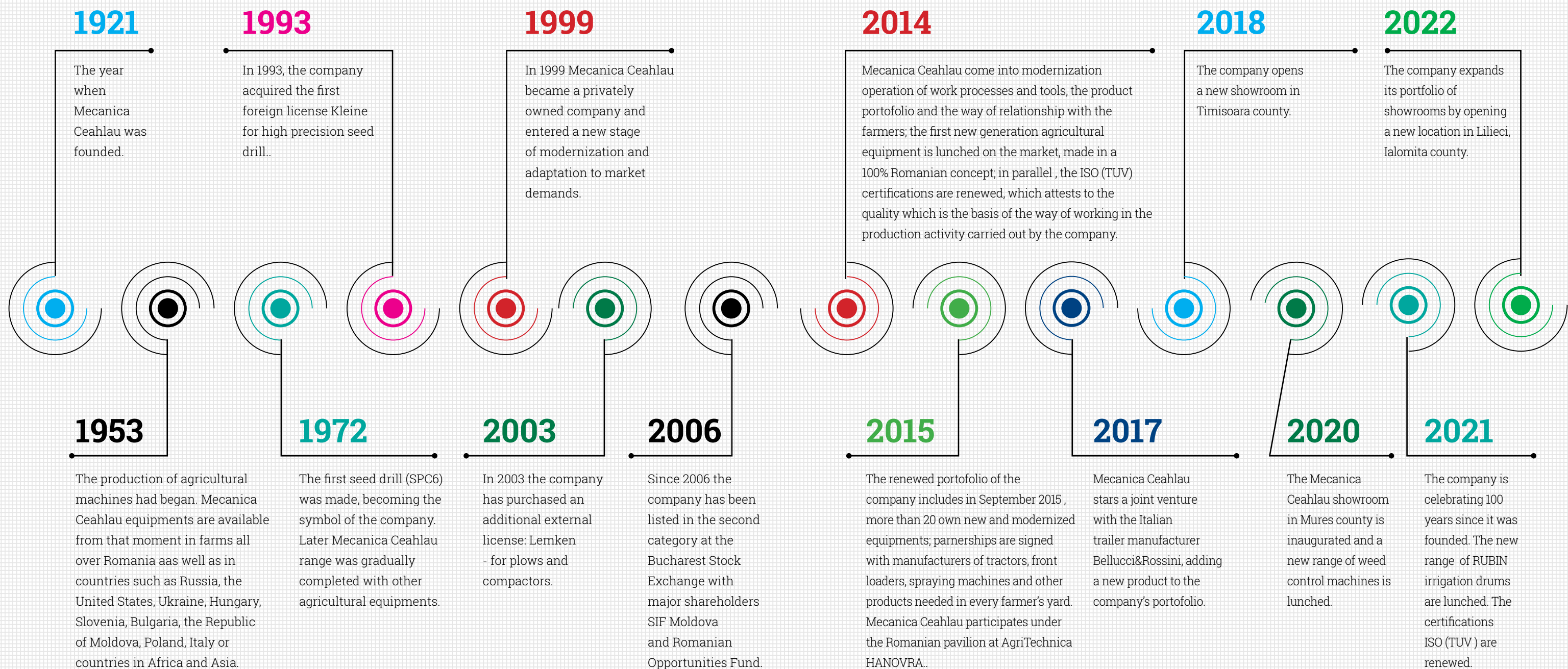
We are the most active Romanian producer of agricultural machinery in the development, production and distribution of equipment for the agricultural industry.

We operate in Piatra Neamt together with a team of professionals and we are motivated to deliver quality and performance, so that the solutions offered by Mecanica Ceahlau to respond to a modern and efficient agriculture.

We use our experience and creativity to develop new products, and since 2014, our R&D team has been making new and modernized agricultural machinery, all with a 100% Romanian concept and design, based on the principle of efficiency both in terms of costs and from the point of view of the results obtained by farmers.

Our portfolio currently includes a range of over 20 categories of specialized equipment available immediately thanks to our permanent stocks of over 2 million Euros, which successfully covers all agricultural works - from tillage, sowing and up to maintenance cultures.

We are ISO 9001 and ISO 14001 certified for the integrated environmental quality management system. The regular renewal of this certification confirms the permanent concern to propose, develop and produce agricultural equipment in Romania, at internationally agreed quality standards.



SALES TEAM



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STEYR
 TRAKTOREN
 Your partner to rely on.

STOLL
 Specialist in incarcatoare frontale.

PROJET
 AGRICULTURE

AFTERSALES

Shipping

The logistic department specialized in agricultural machinery delivery, for loading and transport as quickly and carefully, at your location, within the agreed period.

Warranty

Warranty of 12 months. This is provided in compliance with operating parameters as well as the interventions made by authorized persons.

Commissioning

Training, technical support and all necessary informations provided at when putting the machine into operation.

Spare parts

Permanent stock with over 15,000 of spare parts available immediately.
 Free assistance for identify the parts you need.
 Availability for many years for all spare parts in stock.

Contact:

Tel: 0752 512 222

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Service

the key element of reliability equipments

We are ready to reply immediately and to intervene within 24h-48h to service requirements. Our qualified staff is equipped with cars ready for mobile servicing. Depending on the level of intervention, this can be achieved at your doorstep or at Mecanica Ceahlau in Piatra Neamt.

- Readiness
- Professionalism
- Quality guarantee

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Plows - CERES range

The CERES range of reversible plows is designed to optimize the ploughing operation, maintaining a high quality soil structure and an efficient incorporation of plant residues. The ploughing done is uniform, without ridges and furrows, the plows having a high manoeuvrability and reliability.

➤ Adjustable working width from the plow tie rods, with the possibility of adapting the plow to different types of soil and throughout the year, to achieve good quality ploughing.

➤ Hydraulic reversal mechanism

➤ Adjustable working depth up to 35 cm.

Features / Model	CERES 120/2	CERES 120/3	CERES 120/4
Machine type	Carried	Carried	Carried
Tractor power [HP]	70 - 90	100 - 120	130 - 170
Number of furrows	2	3	4
Type of reversal mechanism	hydraulic	hydraulic	hydraulic
Cutting width on furrow [cm]	30 - 35 - 40 - 45	30 - 35 - 40 - 45	30 - 35 - 40 - 45
Distance between furrows [cm]	85	85	85
Height under frame [cm]	80	80	80
Framework dimensions [mm]	120 x 120	120 x 120	120 x 120
Working width [cm]	60 - 90	90 - 135	120 - 180
Working depth [cm]*	30 - 35	30 - 35	30 - 35
Productivity [ha/h]	0.3 - 0.4	0.4 - 0.6	0.6 - 0.8
Dimensions [LxWxH](m)	2.4 x 1.8 x 1.5	2.4 x 1.6 x 1.7	4 x 1.7 x 1.7
Weight [kg]	650	880	1.010

* depending on soil conditions



Light subsoilers - HADES range

HADES the range of light subsoilers with two rows of rollers with aggressive fangs, are ideal for preparing the seed bed in non-ploughed land, in order to loosen the soil. It stands out both for its resistance to demands and for the large number of adjustments that can be made depending on the working conditions. The type of anchor used has progressive inclination, furrow breaker and side blasters. The removable and reversible tip cleaves the deep layer, but does not allow the mixing of the fertile layer on the surface with the less fertile one in the depth. The two variants with different working widths and number of furrows, are designed for tractors with power between 90 and 160 HP.

> The depth adjustment for the working sections is done by commanding the tractor tie rods

> Shear bolts on each work section to protect the components from overexertion

> They are equipped with 2 rows of rollers with aggressive fangs on

Features / Model	HADES 5	HADES 7
Machine type	carried	carried
Tractor power [HP]	90 - 130	120 - 160
Working width [m]	2.5	3
Working depth [cm]*	Max. 35	Max. 35
Number of active bodies	5	7
Distance between bodies [m]	0.5	0.42
Productivity [ha/h]	1.5	2
Dimensions [LxIxb](m)	2.9 x 2.5 x 1.4	2.9 x 3 x 1.4
Weight [kg]	1.180	1.240

* **depending on soil conditions



Heavy subsoilers - MAS range

MAS the heavy subsoilers range represents the optimal solution for processing the soil after repeated ploughing, breaking the hard crust formed and making a deep loosening, which allows water to easily penetrate to the roots of the plants. After processing, the layer on the surface does not remain smooth, which does not allow the formation of a hard crust after rain, allowing water to circulate in the soil and slow down evaporation. They can successfully replace the ploughing operation, preventing the formation of furrows and upper ridges.

Features / Model	MAS 5	MAS 7
Machine type	carried	carried
Tractor power [HP]	160 - 240	200 - 280
Working width [m]	2.5	3.5
Discs diameter [mm]	660	660
Distance between discs [cm]	22	22
Working depth [cm]*	max. 65	max. 65
Number of active bodies	5	7
Distance between bodies [m]	0.5	0.5
Productivity [ha/h]	1.5	2
Dimensions [LxIxxH](m)	3.2 x 2.5 x 1.6	3.2 x 3.5 x 1.6
Weight [kg]	1.790	2.285

*depending on soil conditions

> The battery with serrated blades is crushing the clod from surfaces and destroys the crop debris, loosens and compacting the soil

> Depth adjustment for working sections is done from the tractor tie rods

> Hydraulic cylinders adjusts the working depth of the battery with discs

> Shear bolts for the protection of work sections subject to overload

> Hydraulic adjustment of the working depth of the battery with disks

> Removable and reversible top

> The Battery with discs has an adjustable angle between 0-18 degrees

Cultivators - KRATOS range

The cultivator KRATOS 3, made by Mecanica Ceahlau in 100% Romanian concept, with 3 meters working width and a working depth of up to 35 cm, is intended for scarification or stubble-turning of the soil on the entire surface, performing an intensive mixing. Due to the great working depth and the excellent incorporation of plant residues into the soil, it can successfully replace the plowing operation.



Features / Model	KRATOS 3
Machine type	carried
Tractor power [HP]	150 - 220
Working width [m]	3
Working depth [cm]*	35
Number of sections with massive furrows	10
Distance between furrows [mm]	290
Number of rows with furrows	3
Distance between furrow rows [mm]	780
Height under the frame [mm]	850
Diameter of embedding discs [mm]	510
Roller type	packer
Working speed [km/h]	8 - 12
Productivity [ha/h]	2.0 – 2.6
Dimensions [Lxhxl]	3.78 x 1.6 x 3
Weight [kg]	1.850
*depending on soil conditions	

➤ It is equipped with three rows of massive furrow

➤ It is used for stubble-turning after harvesting or for deep scarification of the soil

➤ Very efficient due to the low traction resistance

➤ Works at a depth between 6-35 cm

➤ PACKER rollers ensure a high shredding and compaction effect

➤ It achieves excellent soil penetration

Independent disc harrows - MAGNUM range

MAGNUM independent disc harrows can be used both for the preparation of the seed bed and for the processing of stubble. They are efficient due to the high operating speeds of up to 15km/h and the high efficiency, they ensure the perfect copying of the terrain profile and the adjustment of the working depth and the angle of inclination is done mechanically. They can be used both in traditional agricultural systems, as well as in minimal tillage systems, they have a long visit duration and are easy to handle.

> The side deflectors prevent the formation of ridges.

> The elastic bodies loosens and level the soil before the roller

> Serrated blades with a diameter of 510 mm make an excellent soil penetration even in the toughest conditions

> Rollers with serrated blades for crushing and recompacting the soil

> High quality encapsulated bearings that ensure a long life in any working conditions

> Rubber elements that hold the discs independent of the frame, provide protection against overloads

> Optionally, they can be equipped with a Packer roller

Features / Model	MAGNUM 3	MAGNUM 4	MAGNUM 5
Machine type	carried	carried	semi-carried
Tractor power [HP]	110 - 130	140 - 160	160 - 180
Working width [m]	3	4	5
Discs number	24	32	40
Discs diameter [mm]	510	510	510
Distance between discs [cm]	25	25	25
Battery layout	Independent discs	Independent discs	Independent discs
Roller type	serrated blades	serrated blades	serrated blades
Working depth [cm]*	4 - 15	4 - 15	4 - 15
Productivity [ha/h]	2.8 - 3.4	2.8 - 3.4	4.1 - 5.8
Transport speed [km/h]	15	15	15
Working speed [km/h]	10 - 15	10 - 15	10 - 15
Working dimensions [LxIxH](m)	2.6 x 3 x 1.6	2.6 x 4 x 1.6	5 x 6.38 x 1.64
Transport dimensions [LxIxH](m)	2.6 x 3 x 1.6	2.6 x 4 x 1.6	2.65 x 6.2 x 3.14
Weight [kg]	1.650	2.290	3.450

* depending on soil conditions



Disc harrows - GD range

Disc harrows are ideal machines for processing the seedbed for sowing, crushing the lumps and loosening the soil. Used in optimal soil humidity, energy consumption is minimal and the incorporation of natural fertilizer and manure is done through a single pass. The roots of the weeds sprouted after plowing are completely destroyed, which leads to a reduced consumption of herbicides and to the achievement of optimal conditions for the development of crop plants. It is used in medium and heavy soils, on flat land or with a maximum downhill of 12 degrees.

> Hydraulic actuation cylinder of the frames for those 2 positions - work and transport

> Discs camps are equipped with spherical and aligning bearings, UC type, which take both the radial and axial loads

> Batteries attack angle can be adjusted between 0-24 degrees

> Battery with serrated blades for the processing and destruction of plant debris.

Features / Model	GD 3.2ME	GD 3A	GD 3.5	GD 4.4	GDG 421	GD 5.2
Machine type	trailed	trailed	trailed	semi-trailed	trailed	trailed
Tractor power [HP]	65 - 80	100 - 120	120 - 140	160 - 180	170 - 220	180 - 210
Working width [m]	3.2	3	3.5	4.4	3.9 - 4.2	5.2
Discs number	36	29	33	42	33	48
Discs diameter [mm]	460	660	660	660	710 - front / 810 - back	660
Distance between discs [cm]	17.5	22	22	22	24 - front / 32 - back	22
Battery layout	„X”	„X”	„X”	„V”	„V”	„X”
Working depth [cm]*	Max. 12	12 - 18	12 - 18	12 - 18	10 - 22	12 - 18
Productivity [ha/h]	1.3 - 2.1	1.7 - 2.3	2 - 2.4	2.2 - 3.5	1.8 - 3.0	2.5 - 4.2
Transport speed [km/h]	10	15	15		15	
Working speed [km/h]	4 - 8	6-12	6 - 8	6-12	5 - 8	6-12
Working dimensions [LxHxW](m)	3.2x3.3x0.8	4.6x3x1.3	4.6x3.5x1.3	5.5x4.4x1.3	3.2x5.8x1.4	5.9x5.2x1.3
Transport dimensions [LxHxW](m)	3.2x3.3x1.1	4.6x3x1.3	4.6x3.5x1.6	5.5x2.8x2.5	7.7x2.4x1.7	5.9x2.6x2
Weight [kg]	860	1750	1.950	3400	3.820	3950

* depending on soil conditions

Seedbed cultivators - SOLARIS range

Solaris seedbed cultivators used in seedbed preparation after ploughing or after scarifying, ensures soil processing through a single pass due to the variety of work operations, encompassing all operations into a single one. The high operating speeds of up to 15km/h and the increased productivity contribute to reducing the time required for processing the land as well as a better organization of agricultural works. The layer on the surface has a high degree of fragmentation, which prevents the formation of a hard crust after rain, slowing down the evaporation of water from the soil. Performs a depth processing of the soil not only on the surface, leaving behind a leveled and prepared seedbed for sowing works, it fights herbs and partially buries the remains of the autumn cultures.

Features / Model	SOLARIS 3	SOLARIS 3 LIGHT	SOLARIS 4	SOLARIS 4 LIGHT	SOLARIS 5	SOLARIS 6
Machine type	carried	carried	carried	carried	semi-trailed	semi-trailed
Tractor power [HP]	120 - 140	110 - 130	140 - 160	putat	150 - 210	180 - 230
Working width [m]	3	3	4	4	5	6
Number of working bodies	12	28	16	32	24	24
Working depth [cm]*	2 - 12	2 - 12	2 - 12	2 - 12	2 - 12	2 - 12
Number of Rows of Rollers	2	2	2	2	4	4
Front roller type	with bars	with blade	with bars	with blade	with bars	with bars
Intermediate roller type	-	-	-	-	crosskill on 2 rows	crosskill on 2 rows
Rear roller type	crosskill	with serrated blades	crosskill	crosskill	with shredding bars	with shredding bars
Roller diameter [mm]	1 - 370 2 - 400	1 - 370 2 - 400	1 - 370 2 - 400	1 - 370 2 - 400	1 - 370 2 - 340 3 - 270	1 - 370 2 - 340 3 - 270
Productivity [ha/h]	2.1 - 3.7	2.1 - 3.7	2.8 - 4.9	2.8 - 4.9	3.5 - 6.2	4.1 - 7.2
Working speed [km/h]	10 - 15	10 - 15	10 - 15	10 - 15	10 - 15	10 - 15
Working dim. [LxHxh](m)	2.85 x 3 x 1.35		2.85 x 4 x 1.35	2.85 x 4 x 1.35	6.86 x 5 x 1.6	6.8 x 6 x 1.6
Transport dim. [LxHxh](m)	2.85 x 3 x 1.35		2.85 x 4 x 1.35	2.85 x 4 x 1.35	6.86 x 2.8 x 2.85	6.8 x 2.6 x 3.4
Weight [kg]	1.725	1.625	2.200	1.750	4.200	4.800

*depending on soil conditions

> Arrow knives have the advantage of not removing the the moist soil to surface for drying

> 4 rows of rollers, of which two rows of Crosskill type rollers and two rows of rollers with bars

> Arrow knives for processing and loosening the soil in depth

> Rear rollers are leveling the soil for sowing

> Optionally, can be equipped with spring kit (with knives chisels) or alternative rollers

Seedbed cultivators - VM range

In order to obtain high quantitative and qualitative productions, the preparation of the seedbed to a higher standard is mandatory. Thus, we have developed a range of seedbed cultivators with vibro-elastic elements, which process the soil up to 12 cm deep. VM range of seedbed cultivators represents the combinations of elastic and successive working bodies, which levels and uniforms after a prior processing of the land. It carries out all the operations to till the soil, combining vibro and rolling the ploughed land, with a single pass it removes the weeds that appeared after the main ploughing and efficiently buries the plant debris left from the previous crop.

Features / Model	VM 321	VM 4.2	VM 6
Machine type	carried	carried	trailed
Tractor power [HP]	80 - 100	130 - 150	150 - 180
Working width [m]	3.2	4.2	6
Roller diameter [mm]	460	460	460
Working depth [cm]*	2 - 12	2 - 12	2 - 12
Productivity [ha/h]	1.1 - 1.8	1.9 - 2.4	3 - 4.2
Working speed [km/h]	5 - 8	5 - 8	5 - 8
Working dimensions [Lxlxh](m)	3.1 x 3.4 x 1.1	3.0 x 4.2 x 1.3	5.9 x 6 x 1.3
Transport dimensions [Lxlxh](m)	3.1 x 3.4 x 1.1	3.0 x 4.2 x 1.3	5.9 x 3 x 2
Weight [kg]	950	1.610	3.450

* depending on soil conditions

> Copy wheels for adjusting the working depth (VM321)

> Equipped as standard with rollers with serrated blades

> Robust bearings to support the battery with notched springs

> Optionally, they can be equipped with rollers with bars

> Active and elastic bodies contribute to shredding and loosening the soil

> The tension spring acting on rollers for a better levelling of the soil (VM321)

Seed drills with double disc coulters - SUP range

Seed drills for cereals offers the optimal solution for sowing several types of seeds on a land with different levels of preparation, from the best prepared to those with a minimal preparation. The equipment with a double disc coulters gives better accuracy and a constant depth of sowing in rows of crop seeds. An important advantage of the double disc coulters is that it does not collect the plant debris, contributing to their shredding.

- > Double distributor for changing the type of seeds
 - > Mechanical seeds distribution

- > Equipped with chain or compaction wheels
 - > Quick and precise regulation of the amount of seeds

- > Adjustment of the double disc coulters up to a constant sowing depth of 8 cm
 - > Ridge markers with individual hydraulic actuation

Features / Model	SUP 24LM / SUP 24RM	SUP 29LM / SUP 29RM
Machine type	carried	carried
Tractor power [HP]	65 - 75	80 - 100
Working width [m]	3	3.6
Number of rows	24	29
Seeds distribution	double compact seed spreaders	
Distance between rows [cm]	12.5	12.5
Seeds flow control	72 speeds gearbox	
Working depth [cm]*	2-8 continuously	2-8 continuously
Seeds coulters type	double disc	double disc
Seeds distribution	double compact seed spreaders	
Seeds hopper capacity [l]	320	400
Productivity [ha/h]	5- 10	5- 10
Working speed [km/h]	2 x 3.6x1.6	2 x 4.2 x 1.6
Working dimensions [LxWxh](m)	2 x 3.6x1.6	2 x 4.2 x 1.6
Weight [kg]	930 / 970	1.160 / 1.175
* depending on soil conditions		



Seed drills with double disc coulters - DIAMANT range

Intended for sowing crop seeds in rows, DIAMANT range has a working width of 3 or 4 meters. It is equipped with a Norton type gearbox with 72 speed steps and the triple seed distributor which offers the possibility of sowing very small seeds in doses of up to 2kg/ha (rapeseed, clover, lucerne, flax, poppy, millet, mustard).

- > Large capacity of seed hoppers (940 / 1260 l)
- > The double disc coulters can be adjusted up to a constant sowing depth of 8cm
- > The increased diameter of the seeds coulters
- > Equipped as standard with compaction wheels
- > It has a Norton type gearbox with 72 speed steps
- > Switching from semi-automatic to normal and vice versa is done by simply pressing a button on the distributor, switching from one position to another

Features / Model	SUP 300 DIAMANT	SUP 400 DIAMANT
Machine type	carried with ISO category II mechanism	
Tractor power [HP]	90 – 100	120 – 140
Number of rows	23	31
Working width [m]	3	4
Distance between rows [cm]	13	13
Seeds distribution	triple cylinder with spurs	triple cylinder with spurs
Seeds flow control	72 speeds gearbox	72 speeds gearbox
Adjusting the sowing depth	with screw mechanism from the support wheels of the seeder, by changing the distance from the car frame to the ground	
Seeds hopper capacity [l]	940	1260
Seeds coulters type	double disc	double disc
Seeds coulters diameter [mm]	370	370
Productivity [ha/h]	1.2 – 2.2	1.4 – 2.8
Working speed [km/h]	5 – 10	5 – 10
Working dimensions [LxWxh](m)	2.44 x 3.5 x 1.62	2.46 x 4.6 x 1.62
Weight [kg]	1.540	2.100

- > The advantage of the double disc coulters is that it does not collect plant debris, contributing to their shredding
- > Telescopic ridge markers with spherical discs
- > Optionally, can be equipped with: claws for covering, compaction chain, technological system "2 closed rows" ordered from the tractor.

Pneumatic seed drills with double disc coulters - TOPAZ range

TOPAZ range is a universal pneumatic seeder, trailed and intended for sowing in rows. Available in 2 variants – TOPAZ 5000 for 40 rows and TOPAZ 6000 for 48 rows, can sow any kind of seeds with sizes between 2 and 10 mm, such as: coarse grains (wheat, barley, oats, rye), large seeds (corn, peas, beans, soybeans) and small seeds (herbs, clover, rape)

- > Equipped with compaction wheels on the coulters

> Equipped with distributors for seeds and fertilizer such as cylinder with straight grooves

> Pneumatic seed transport

> Adjusting the working depth:
1. mechanical, with screw
2. independent of the compaction wheel

Features / Model	TOPAZ 5000	TOPAZ 6000
Machine type	90 - 120	100 - 140
Tractor power [HP]	40	48
Number of rows	12.5	12.5
Working width [m]	500	600
Working depth [cm]*	2 - 10	2 - 10
Seeds hopper capacity [l]	1200	1400
Fertilizer hopper capacity [l]	600	600
Seeds coulters type	double disc	double disc
Seeds covering type	with cover claws	with cover claws
Working speed [km/h]	5 - 12	5 - 12
Productivity [ha/h]	2.2 – 3.5	2.6 – 4.2
Adjusting the pressing of the coulters into the soil	independent, with spring	independent, with spring
Ridge marker type	hydraulic / disc	hydraulic / disc
Blower with air	hydraulic (MP50C) 600 Dv/Dk – 35Lt	
Transport width [cm]	325	325
Wheels	10.0/75 – 15.3,	10.0/75 – 15.3,
Weight [kg]	3225	3850

* depending on soil conditions

Planters with double disc coulters - PHOENIX range

SPC PHEONIX, the newest range of precision seeders, with double disc coulters and centralized transmission, is intended for sowing seeds crops (corn and sunflower, soybean, sugar beet, beans, melons, etc.) concomitantly with the administration of granulated chemical fertilizers. Equipped with double disc coulters, it guarantees an efficient sowing regardless of the quality of the soil or its preparation.

- > Equipped with a plastic hopper for fertilizers with a capacity of 300 liters
- > Centralized adjustment, through the gearbox, of the distance between grains per row
- > The double disc coulters have all the components in rolling motion, so friction is mostly eliminated, thus preventing wear
- > Wear-resistant active bodies because they are made of heat-treated alloy steels
- > Ridge markers with individual hydraulic actuation
- > Administer fertilizer at the same time as sowing. The fertilizer is distributed in the soil below the level at which the seed is incorporated, and to the side, which ensures a better utilization of the active substance.
- > Optionally, they can be equipped with: electronic installation for seeding control and equipment for administering micro granulated fertilizer
- > The robustness of the machine allows working in flat terrain or on slopes of maximum 6 degrees

Features / Model	SPC 6 PHOENIX	SPC 8 PHOENIX
Machine type	carried	carried
Tractor power [HP]	65 – 80	80 – 95
Number of rows	6	8
Working depth [cm]*	4 – 12	4 – 12
Distance between rows [cm]	70	70
Distance between seeds in a row [cm]	11 – 45	11 – 45
Seeds distribution	pneumatic, with vertical disc with holes	
Seed rate [grains/ha]	adjustable in 42 steps centralized from the gearbox from 31,000 to 127,000	
Seeds hopper capacity [l]	35 x 6	35 x 8
Fertilizer hopper capacity [l]	300 x 2	300 x 2
Seeds coulters type	double disc	double disc
Fertilizer coulters type	double disc	double disc
Productivity [ha/h]	1.6 – 2.6	2.2 – 3.6
Working speed [km/h]	5 – 7	5 – 7
Working dimensions (L x l x h) [m]	1.9 x 4.5 x 2.1	1.9 x 6.0 x 2.1
Weight [kg]	1260	1480

* depending on soil conditions

Planters with double disc coulters - SAFIR range

The 6 or 8 row seeders for sowing plants (maize, sunflower and others) from the newest SAFIR range, are equipped with double disc furrowing for seeds of 370 mm and for fertilizers with a diameter of 315 mm. It presents an increased depression exhaustor with curved vanes and low noise in use, and the depression adjustment is made through the shutter valve at the exhaust.

> Transmission to the fertilization equipment directly from the drive wheel (with chain wheels, for a quick change of sowing speeds)

> Easy adjustment of the depression through the obturator flap when exhausting

> Independent actuation of the ridge markers, with hydraulic cylinders

> Optionally, can be equipped with: electronic installation for seeding control and equipment for administering micro granulated fertilizer

Features/ Model	SAFIR 4	SAFIR 6	SAFIR 6L	SAFIR 8
Machine type	carried	carried	carried	carried
Tractor power [HP]	60 – 80	90 – 110	90 – 110	140 – 160
Number of rows	4	6	6	8
Working depth [cm]*	continuous adjustment 2-8 cm, with two level wheels on one side and the other of the double disc coulters			
Distance between rows [cm]	70	70	70	70
Distance between seeds in a row [cm]	7 – 34	7 – 34	7 – 34	7 – 34
Seeds distribution	pneumatic, with vertical disc with holes			
Seeds hopper capacity [l]	35 x 4	35 x 6	35 x 6	35 x 8
Fertilizer hopper capacity [l]	2 x 200	300 x 2	750	500 x 2
Seeds coulters type	dublu disc	dublu disc	dublu disc	dublu disc
Seeds coulters diameter [mm]	370	370	370	370
Fertilizer coulters type	double disc	double disc	double disc	double disc c
Fertilizer coulters diameter [mm]	315	315	315	315
Productivity [ha/h]	1.2 - 2.0	1.6 – 2.6	1.6 - 2.6	2.2 – 3.6
Working speed [km/h]	6 - 8	6 – 8	6 - 8	6 – 8
Working dimensions (L x l x h) [m]	2.05 x 3 x 1.6	2.05 x 4 x 1.6	2.05 x 4 x 1.6	2.05 x 6 x 1.6
Weight [kg]	1050	1580	1580	2150

* depending on soil conditions

Row crop cultivators - CF range

Robust and very easily maneuverable, CF cultivators are designed to mechanically destroy the weeds from the cultures of weeding plants and also used for the facial fertilization of the crops. Adjustments are made quickly depending on the type of terrain and the level of desired processing, and the replacement and adjustment of the active organs is performed very easily.

- > Soil copying through the copying wheels ensures an uniform working depth throughout the working width of the section
- > Flexibility in adjusting the distance covered by the working elements and the plant protection area
- > Uniform distribution of the fertilizer types, through free fall near the plant rows
- > The active bodies are highly resistant to wear
- > The fertilizer release is made from the tractor PTO through a reducer and two chain transmissions
- > Optionally, can be equipped with:
 - Protection equipment for the plants with protective discs during the weeding
 - Ploughs for earthing up and open gutters

Caracteristici / Model	CSC 00B/5	CF - 00/5	CSC 00B/7	CF - 00/7	CSC 00B/9	CF - 00/9
Machine type	carried	carried	carried	carried	carried	carried
Tractor power [HP]	40 - 50	40 - 50	50 - 60	60 - 70	50 - 70	70 - 80
Number of working stations	5	5	7	7	9	9
Number of simultaneously worked rows	4	4	6	6	8	8
Distance between rows [cm]	45 - 70	45 - 70	45 - 70	45 - 70	45 - 70	45 - 70
Working depth [cm]*	10	10	10	10	10	10
Types of working bodies	arrow knives, unilateral knives					
Number of stabilizing wheels	2	2	2	2	2	2
Number of copying wheels	5	5	7	7	9	9
Coverage among the weeding knives [cm]	1.5	1.5	1.5	1.5	1.5	1.5
Productivity [ha/h]	0.8 - 1.2	0.8 - 1.2	1.1 - 1.8	1.1 - 1.8	1.5 - 2.3	1.5 - 2.3
Working dimensions [LxWxh](m)	2 x 3 x 1.55	2 x 3 x 1.55	2 x 4.4 x 1.55	2 x 4.4 x 1.55	2 x 5.8 x 1.55	2 x 5.8 x 1.55
Weight [kg]	430	600	550	779	700	986

* depending on soil conditions



Row crop cultivators - CFM range

The cultivators are designed to carry out weeding works but also for loosening the soil, achieving a good copy of it as we Row crop cultivators are intended for weeding and mellowing the soil, realizing a good copy of it and an uniform working depth. Adjusting the knives can be done easily and quickly. ll as a uniform working depth. Adjusting the knives is done easily and quickly.

- > The working bodies are hoeing, destroy the weeds and vent the soil
- > Soil copying through the wheels ensures a uniform working depth over all the width of the section
- > The replacement of active elements and depth adjustment is performed with great ease
- > Row fertilization equipment, operated from the wheel
- > Flexibility in adjusting the distance covered by the working elements and the plant protection area
- > Uniform distribution of the fertilizer types, through free fall near the plant rows

Features / Model	CFM 5	CFM 7	CMF 7 TELUS	CFM 9
Machine type	carried	carried	carried	semi-carried
Tractor power [HP]	50 - 70	70 - 80	70 - 80	90 - 100
Working width [m]	2.8	4.2	4.2	5.6
Number of working stations	5	7	7	9
Number of simultaneously worked rows	4	6	6	8
Distance between rows [cm]	70	70	70	70
Working depth [cm]*	10	10	10	10
Types of working bodies	arrow knives, unilateral knives		arrow knives on elastic elements	arrow knives, unilateral knives
Number of stabilizing wheels	2	2	2	2
Number of copying wheels	5	7	7	9
Coverage among the weeding knife [cm]	1.5	1.5	1.5	1.5
Fertilizer hooper capacity [l]	2 x 200	2 x 300	2 x 300	2 x 300
Productivity [ha/h]	0.8 - 1.2	1.1 - 1.8	1.1 - 1.8	1.5 - 2.3
Working dimensions [LxWxh](m)	2.25 x 3.3 x 1.35	2.25 x 4.5 x 1.35	2.25 x 4.5 x 1.35	2.25 x 6.5 x 2.55
Weight [kg]	690	890	1160	1.500

* depending on soil conditions

Irrigation drums - RUBIN range

The irrigation system with a hose on a drum and a sprinkler, represents the optimal and safe solution for farmers concerned regarding the necessary amount of water for their crops in order to increase the quality and quantity of production. The modern installation is intended for the irrigation of field crops both on flat and irregular surfaces, and the distribution of water (irrigation) through the sprinkler is precise even on windy conditions. The rotating turret ensures complete irrigation of the plots without repositioning the chassis, thus allowing a single operator to rotate the equipment safely and with minimal effort.

Features/ Model	RUBIN 300	RUBIN 350	RUBIN 400
Machine type	carried	carried	trailed
Hose diameter [m]	100	100	100
Hose lenght [m]	300	350	400
Diameter of the watering nozzles [Ø]	22/24/26/28/30	22/24/26/28/30	22/24/26/28/30
Jet length (watering radius) depending on nozzle and pressure [m]	33 - 57	33 - 57	33 - 57
Working water pressure [bar]	2 - 6	2 - 6	2 - 6
The number of working gears	6	6	6
Sprinkler type	Ranger	Ranger	Ranger
Dimensions [Lxlxh](m)	6.2 x 2.25 x 3.1	6.2 x 2.25 x 3.1	6.2 x 2.25 x 3.3
Working speeds [m/h]	10 - 90	10 - 90	10 - 90
Weight [kg]	Aprox 2264	Aprox 2374	Aprox 2550

> The amount of water distributed depends on the pressure and the nozzles used

- > 4-speed gearbox
- > Tachometer (measures the movement speed of the sprinkler)
- > Set of 5 sprinkler nozzles from 22 to 30
- > Automatic stop of the hose winding (safety device)
- > Equipped with a device for hydraulic lifting of the port trolley – sprinkler
- > Transmission with high-efficiency by-pass turbine connected directly to the gearbox
- > Galvanized supply pipe with 2 inputs
- > Optionally, can be equipped with 40 m watering ramps

Mounted sprayers - CLASIC range

The carried spraying equipments are intended for the administration of herbicides, insecto-fungicides on field crops. The CLASIC range is suitable for agriculture, horticulture, sports lawns, leisure spaces and are available in 2 versions of operation: mechanical and hydraulic. The available models have a cold folded structural steel frame, tanks with capacity between 400 and 1000 liters and ramps between 12 and 18 m length.

Features / Model	CLASIC 400 / 12	CLASIC 600 / 12	CLASIC 800 / 12	CLASIC 1000 / 16	CLASIC FH 1000 / 15	CLASIC FH 1000 / 18
Tractor power HP]	35 - 65	35 - 65	55 - 80	65 - 110	80 - 140	80 - 140
Capacity [l]	400	600	800	1000	1000	1000
Flow rate [l/min]	81	81	81	105	105	105
Pressure [bar]	40	40	40	40	50	50
PTO [rpm]	540	540	540	540	540	540
Ramps length [m]	12	12	12	16	15	18
Ramps type	mechanical		mechanical	mechanical	mechanical	mechanical
Adjusting the height of the ramps	mechanics		mechanics	mechanics	hydraulic	hydraulic
Dimensions [LxWxH](m)	1380 x 840 x 1500		1470 x 900 x 1550	1370 x 1060 x 1700	1750 x 1350 x 3250	1750 x 2225 x 3250
Weight [kg]	185	195	205	480	950	850

- > The compact dimensions of each model fit them perfectly in the space between the tractor wheels, providing easy access to risk areas
- > Manual/hydraulic folding spray ramps
- > Mechanical / hydraulic lifting system
- > Polypropylene pipes
- > UniJet / trijet nozzles with anti-drip

Trailed sprayers - PRIMA range

PRIMA range was designed for use in medium-sized vegetable farms, where a fast, light and easy-to-use machine is needed, but also in horticultural farms, including for potato cultivation. Thanks to the versatile construction, it allows avoiding obstacles and has a good adaptability to plots/soils with irregular shapes, but also a high autonomy due to 2000-liter and 3500-liter tanks. The machines in this range are a perfect choice and allow obtaining a high daily productivity due to the excellent quality of the components that guarantee an efficient application of the treatments.

- > Robust frame with lifting/lowering of the hydraulic bar
- > Hydraulically operated chains
- > 3-way plastic nozzles with anti-drip mounted on the pipe
- > External mixer for chemicals
- > Tank for washing hands and tank with clean water

Features/ Model	PRIMA 2000 / 18	PRIMA 3500 /2 4
Machine type	trailed	trailed
Tractor power [HP]	80 - 140	100-150
Capacity [l]	2000	3500
Flow rate [l/min]	105	281
Pressure [bar]	15	15
PTO [rpm]	540	540
Ramp length [m]	18	24
Ramp type	mechanic	mechanic
Adjusting the height of the ramps	hydraulic	hydraulic
Dimensions [LxWxH](m)	3000 x 1500 x 2600	7700 x 2400 x 3100
Weight [kg]	1100	1850

Disc mowers - VELA range

VELA range of disc mowers are designed to be used for harvesting fodder plants: clover, vetch, lucerne, etc. or other crops that can be used as animal feed. Equipped with 5 and 6 discs, cutting bar with modern design and durable knives are easy to use and maintain, and adjustable parameters such as mowing height and mowing uniformity, perform the mowing operation quickly and efficiently.

Features / Model	VELA 200	VELA 240	VELA 225 C
Machine type	carried	carried	carried
Tractor power [HP]	35	45	60
Working width [m]	2	2.4	2.25
Furrow width [m]	1.4	1.8	0.9 – 1.3
Number of discs [pcs]	5	6	5
Number of knives [pcs]	10	12	10
Productivity [ha/h]	2	2.4	2.2
Noise level in use [db]	90	90	100
Pivot angle in transport [gr]	91	91	95
Overload protection system:	YES, calibrated at 1200 Nm		
Suspension system:	YES, with spring	YES, with spring	YES, with 2 springs
Conditioner:	NO	NO	YES, with two rubber rollers
PTO required [rpm]:	540	540	540
Cardan included:	YES, with clutch	YES, with clutch	YES, with clutch
Transport dimensions [LxWxH](m)	1 x 1.45 x 2.56	1 x 1.45 x 2.95	1.15 x 2.08 x 3.17
Working dimensions [LxWxH](m)	1.13 x 3.33 x 1	1.13 x 3.7 x 1	1.9 x 4.09 x 0.97
Weight [kg]	410	436	850



Rakes - SPIDER range

SPIDER 720 with double impeller for collecting hay with centralized deposition is the perfect solution for any farmer who aims to increase raking performance regardless of the size of the farm or the shape of the land and at the same time relying on a small or medium power tractor available on the farm. It is a versatile equipment with a flexible system of continuous adjustment of the working width and height, obtaining a maximum yield regardless of the working conditions. It has a robust frame, swivel transport wheels and is equipped with a signalling system, reinforced claws and foldable external rotors for the transport position.

The transition from the transport position to the working position is made with the help of the hydraulic lifting system of the rake without the need for the operator to leave the tractor cabin. In addition, the hydraulic lifting system facilitates the return to the end of the row and provides an increased ground clearance to pass over the furrows, and the drive to the power take-off is carried out by means of a cardan shaft with protection against overload.

Features / Model	SPIDER 720
Machine type	trailed
Power required [HP]	60 - 75
Number of rotors	2
Raking diameter per rotor [m]:	3
Number of arms per rotor [pcs]	11
Number of claws per arm [pcs]:	4, reinforced, double spring
Number of support wheels per rotor [pcs]:	6 buc, 15 x 6.00 - 6
Rotor speed [rpm]:	65
Adjustable width:	YES, 6.4 – 6.6 – 6.8 – 7.0 continuously adjustable
Adjustable height:	YES, 5 positions
Detachable arms [pc]:	YES, with quick assembly-disassembly system
Required PTO [rpm]	540
Cardan included:	YES, with clutch
Transport dimensions [LxWxH](m)	5.4 x 3 x 3.8
Working dimensions [LxWxH](m)	5.4 x 6.4-7.0 x 1.4
Weight [kg]	2350

Round balers - VEGA range

Features / Model	VEGA R1240	VEGA RT1247
Machine type	trailed	trailed
Required power [HP]:	min. 50	min. 80
Bale dimensions [mm]:	1200 x 1200	1200 x 1200
Bale weight [kg]:	500-850 / 180 – 200 (straw)	500-850 / 180 – 200 (straw)
Productivity [pcs/h]:	35 - 40	35
Bale support bar:	YES, capacity 1 ton	YES, capacity 1 ton
Binding system:	with net (diameter max. 310 mm) and string	
Pickup width [mm]:	1800	1800
Number of pick-up claws:	84	84
Distance between pick-up claws [mm]:	69	69
Pick-up support wheels:	YES, adjustable	YES, adjustable
Camera feeding system:	with rotor, star type with 3 rows of teeth (26 pcs)	
Required PTO [rpm]:	540	540
Hydraulic requirement [bar/l]:	140/14	140/14
Road light kit:	DA	DA
Automatic greasing system:	DA	DA
Overload protection system:	YES, with shear screw	YES, with shear screw
Cardan included:	YES, with clutch	YES, with clutch
Dimensions [LxWxH](m):	3.8 x 2.47 x 2.05	3.8 x 2.47 x 2.05
Weight [kg]:	2300	2536
Chopper		DA, cu 17 cutite

VEGA round balers have a hydraulic height-adjustable pick-up with the optimal distance between the claws for problem-free picking up of short material and the support bar for safely releasing the bales. The support wheels are positioned so that they are at the same level as the claws to ensure the material is picked up even in the most difficult conditions. They are equipped with a feeding system with a rotor and lateral augers that ensure a high yield and obtaining quality bales, even when the flow of material is more voluminous. Operation is simple thanks to the water-resistant electric panel. The fixed camera with profiled rollers made of high quality and durable steel offers high performance with low energy consumption. It has a compact design, is easy to handle, and the tying system is with net or string.

Square balers- VEGA range

VEGA P555 press allows the production of parallelepipedal bales, for easy storage and handling. VEGA P555 machine is equipped with a flywheel, counterweight and rams mounted on rollers for robustness and exceptional results. The shaft is directly connected to the transmission, and the double support wheels offer protection even in the hardest terrains. This machine benefits from a reliable lateral clamping system that is specially designed for uniform baling. The hydraulically actuated pick-up produces a precise movement regardless of the working conditions, and the needles with protections offer increased safety. The knotting system of the VEGA P555 machine will stay clean all the time, thanks to the high-performance fan.

Features / Model	VEGA P555
Machine type	trailed
Required power [HP]:	min 45
Bale dimensions [mm]:	360 x 460, length 300-1350
Bale weight [kg]:	20-35
Productivity [pcs/h]:	250
Binding system:	with double string
Piston speed [stroke/min]:	93
Transmission:	Cardanica, with 2 shafts
Feed opening [cm2]:	1500
Pickup width [mm]:	1650
Number of pick-up claws:	100 (mounted on 5 bars)
Distance between pick-up bars [mm]:	70
Required PTO [rpm]:	540
Wheels:	225 / 70 / R15 (right) 10.0 / 75 - 15.3 Tubeless 10 folds (left) 16.5 x 6, 50 - 8 6 PR (middle rear) 400 x 8 6 PR (middle)
Road light kit:	YES
Overload protection system:	YES, with shear screw
Cardan included:	YES, with clutch
Dimensions [LxWxH](m):	5050 x 2370 x 1820 (in transport): 6080 x 2370 x 1820 (in work)
Weight [kg]:	1716

Forage harvester - VOX range

Ideal for small farms, the corn silo harvester has a cutting system that ensures the cutting of the stalks at right angles, resulting in a silo of the best quality with minimal energy consumption. VOX 125 is equipped with a feeder that leads the plants to the cutting drums equipped with 12 special steel knives. The feeder is provided with a shear screw that protects the feeding system against shocks. The support wheels are adjustable in height, ensuring an optimal working position. The discharge pipe of the chopped material is hydraulically controlled from the tractor and the dimensions of the chute are perfect to load the trailer evenly. To facilitate the transport, the height of the machine can be reduced by folding the upper part of the pipe. The coupling to the tractor is made in 3 points and the transmission is made through a reducer that also drives the hydraulic pump. The emptying column and the deflector are hydraulically actuated.

Features / Model	VOX 125
Machine type	carried
Length [mm]:	2850
Width [mm]:	1820
Height [mm]:	3770
Weight [kg]:	1388
Tractor power [HP]:	min 80
Working width [mm]:	1250
Number of Flywheel Wings	12
Mounting Positions	12
Tires:	165SR13
Tractor coupling:	front / rear / side
Necesar PTO [rpm]:	1.000
Chopping diameter [mm]:	4-8
Productivity [to/h]:	40-50

- > High-quality blades for the forage harvesting machine ensure high efficiency and uninterrupted performance
- > Robust structure of the chassis and the accelerated transmission system ensure sustained work even in the most demanding areas
- > Hydraulic components to facilitate the use of the unloading system
- > The chassis system offers three modes of use (front-rear-side)
- > Easy-to-open lid to quickly unblock the gutter in case of blockage
- > 360-degree rotatable gutter system with quick control (hydraulic)
- > 12 heat-treated blades, made of high-quality German steel, offer maximum productivity
- > LED lighting system for the gutter
- > Trailer hitch



Bale wrapper - PAVO range

PAVO 140 bale wrapper has a robust construction, with high-quality materials and an exceptional design that will ensure long-term use. It guarantees you a high-performance experience and increased productivity thanks to the high-tonnage rotating cylinder system and the wrapping speed. It is equipped with an automated system for cutting the plastic film at the end of the packaging process, and the control system in the tractor cabin makes the operator's work easier. The low center of gravity and low drop height ensure easy loading and unloading of bales.

Features / Model	PAVO 140
Machine type	carried
Power required [HP]:	40 - 50
Bale dimensions [mm]:	1000 - 1400
Bale weight (kg):	max.: 1000
Wrapping time [sec/bale]:	10
Maximum foil width [mm]:	750
Number of wrapping arms:	1
Required hydraulic flow [l/min]:	15 - 20
Required hydraulic system pressure [bar]:	1700 - 200
Control system:	from the tractor cabin, with 4 levers
Dimensions [LxWxH](m):	2.53 x 2.26 x 2.5
Weight [kg]:	926





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