



AMAZONE

Mounted reversible ploughs ***Cayros***



Welcome to the world of the plough: the Cayros from AMAZONE





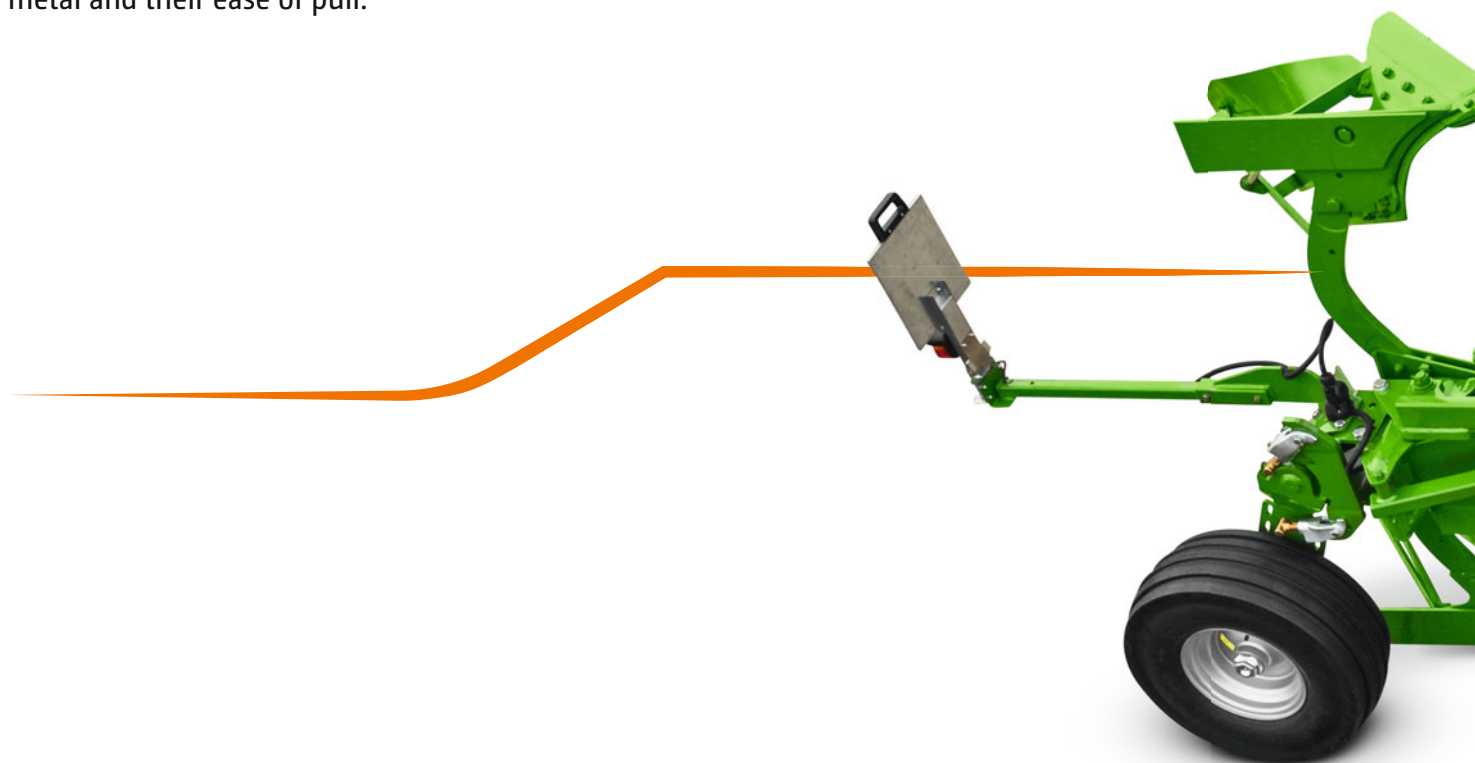
Successful, sustainable ploughing with the Cayros from AMAZONE

It is not just the philosophy but the right soil tillage methodology, taking into account the respective location, that is the decisive factor for success in agriculture.

The plough can provide a yield-securing function under certain circumstances. Where there is large-scale weed growth, the green matter and their seeds can be buried deep below ground by ploughing. This deprives the weeds of light thus preventing any chance of germination. In particular, resistant weeds can be controlled effectively in this way, whilst the detrimental influence of fungal diseases can also be reduced by ploughing. Mice and slug infestation can also be significantly decreased by ploughing.

Ploughing also promotes soil aeration. Heavy ground in particular, which warms up slowly in spring, benefits from ploughing bringing it up to temperature more quickly. Crops that require higher soil temperatures can be established earlier and shorter sowing windows utilised more effectively.

The Cayros mounted reversible ploughs from AMAZONE offer an exceptional quality of work and excellent value for money giving cost-effective operation thanks to the extremely high quality of wearing metal and their ease of pull.



Model overview	Cayros M	Cayros XM	Cayros XMS	Cayros XS pro
Number of furrows	2–4	3–4	3–5	4–6
Furrow width adjustment (cm)	mechanical 32/36/40/44/48 hydraulic 32 to 52	mechanical 32/36/40/44/48 hydraulic 32 to 52	mechanical 32/36/40/44/48 hydraulic 32 to 52	mechanical 35/40/45/50 hydraulic 32 to 55
Overload protection	Shear bolt or hydraulic	Shear bolt or hydraulic	Shear bolt or hydraulic	Shear bolt or hydraulic

The Cayros concept

High-performance soil tillage across any farm

1. A wide range of plough bodies means ideal results in all locations under all conditions
2. Reliable mechanical or hydraulic overload protection
3. Convenient mechanical or hydraulic furrow width adjustment which also adjusts the soil engaging metal and the support wheel at the same time



5. Long lifespan thanks to the robust beam

4. Modular principle for optimum adaptation of the plough to any requirement

Cayros mounted reversible ploughs



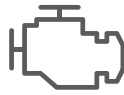
MORE INFORMATION
www.amazone.net/cayros



PRODUCT FILM
Cayros – find out more



32 to 55 cm/furrow



Up to 380 hp



Up to 10 km/h



2 to 6 furrows

Perfect ploughing for every farm

Used for inversion soil tillage, the Cayros mounted reversible ploughs are characterised, in particular, by their robustness, the ©plus hardening process and their ease of pull. The modular principle allows the Cayros to be optimally adapted to any requirement – just the thing for every farm, from small to large.



OUTPUT

High performance!

Perfect working profile under any application due to the large selection of plough bodies. Blockage-free work even when there are large amounts of harvest residues.



ROBUSTNESS

Sturdy!

Very low wear and easy pull thanks to the extremely hard and smooth surface of the components provided by the unique ©plus hardening process. Long service life thanks to the sturdy beam with thick wall dimensions and no welded seams.



COMFORT

User-friendly!

Easy to adjust with a simple sliding headstock design. Logical and comfortable operating concept.

First-class quality for long-lasting wear parts



❗ “The quality of work was also highly praised.”
 (“Landwirt Österreich” Cayros M 950 practice test · 03/2019)

✔ The ©plus hardening process



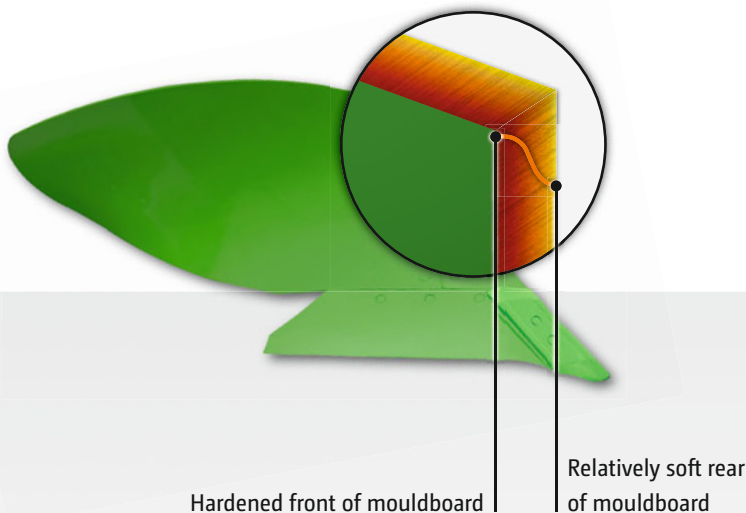
The ©plus hardening process – the know-how of heat treatment

As a manufacturer of wearing parts for the soil tillage industry, we can look back on a history spanning decades. Continual advances in materials and production technology as well as our expertise in heat treatment are the basis for achieving the highest possible quality in our wearing parts for ploughs.

Carbon in its purest form, diamond, is the hardest naturally occurring substance. A hardening process which involves introducing carbon into the steel is used to increase the hardness and durability of ©plus wearing parts. AMAZONE uses a unique hardening process to achieve a very high level of hardness on the front of components, such as the shin, to produce the optimum resistance to wear. The back remains relatively soft but at the same time extremely tough and impact resistant.

Benefits of the ©plus hardening process:

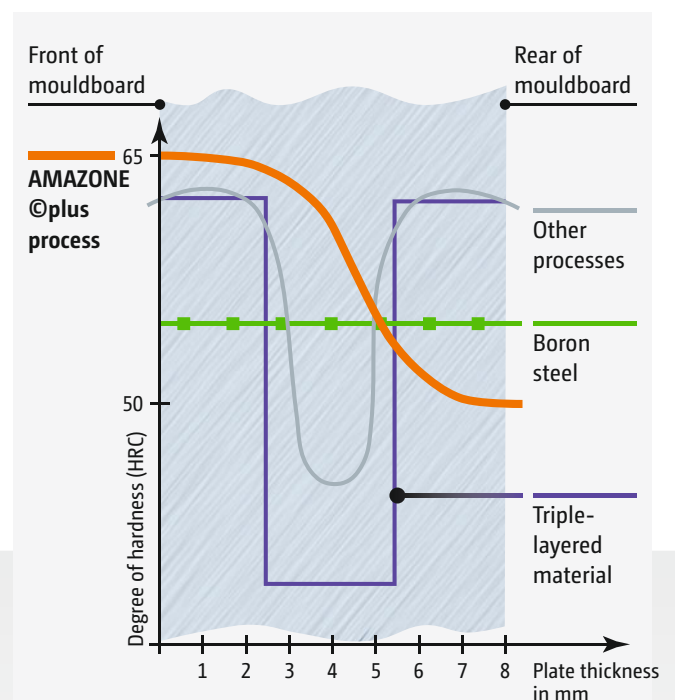
- ✔ Longer service life
- ✔ High impact resistance
- ✔ Less pulling power requirement
- ✔ Reduced fuel consumption
- ✔ Less sticking to the smoother outer surface



Box section beam made of high-grade steel for a long service life

All the beams on AMAZONE ploughs are produced from a special high-tensile steel. The over-sized wall thickness means that, not only is the whole beam robust, but also all the bolt fixings are extremely strong with this heavy wall thickness also preventing any hole elongation or deformation of the box section around the bolt fixings. A further feature of the ploughs is the design of the plough beam without any weld seams.

Cross-section of mouldboard – comparison of the different hardening methods



AMAZONE plough bodies

Long-lasting, easy to pull, first class performance



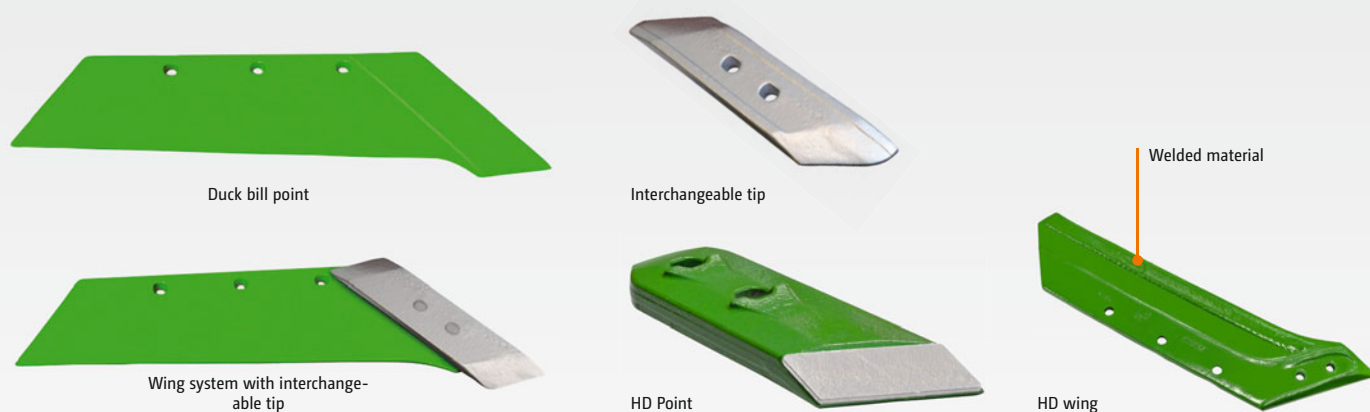
Long-lasting and a clean finish

The plough body is at the heart of any plough; first in line when it comes to quality of work and is also responsible in making sure the plough turns the soil over effectively.

Clean, efficient incorporation of those crop residues, even under the most arduous of conditions, such as, for example, in maize stubble, is just one of the quality criteria. However, AMAZONE plough bodies also master other challenges brilliantly, such as working on hilly terrain.

! “We were also very satisfied with the WL 430 plough body. The long, scrolled mouldboard completely inverts the soil while, at the same time, cleans out the bottom of the furrow.”

(“Landwirt Österreich” Cayros M 950 practice test · 03/2019)



Easy pulling from the tip

The basis for the economical use of a plough is, of course, by keeping the required pulling force to a minimum, thus reducing the fuel consumption. In combination with the unique ©plus hardening process which gives very hard and smooth surfaces, the clever design guarantees the ease of pulling for which AMAZONE ploughs are renowned. All plough bodies come equipped with our specially designed points. The special profile gives less resistance and smoother draft. The self-sharpening area has been made much thicker, thus considerably increasing the life of the ploughshare.

HD^{pro}

To further improve the service life, the optional HD^{pro} points with tungsten carbide tips and the HD^{pro} wings with hard-faced welded edges are available for nearly all of the plough bodies.

Lasting up to four times as long

The long length ensures an even side loading, reducing fuel consumption and ensuring perfect ploughing.

Interchangeable tip with a special profile

The interchangeable tip saves the wing blade and thus reduces wearing costs. Its shallow design, the self-sharpening, pulling power saving penetration range and the 15 mm thick side reinforcements make the interchangeable tip, due to the targeted use of material in the wear zones, extremely robust resulting in exceptional longevity.

Advantage of AMAZONE plough bodies

- ✔ Thorough and consistent incorporation of crop residues to promote fast and effective decomposition and encourages soil life
- ✔ Subsequent operations are made easy by an even surface profile and the finely crumbed surface
- ✔ A bigger furrow clearance enables the use of wider tyres and helps with the incorporation of large amounts of crop residues
- ✔ The reduced pulling force required results in fuel savings

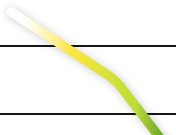
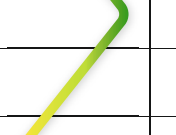
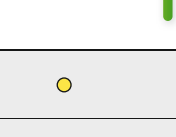
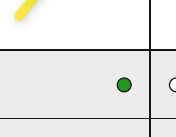
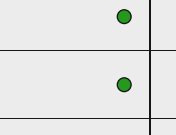
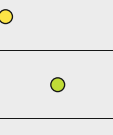
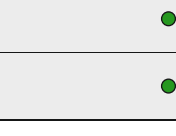
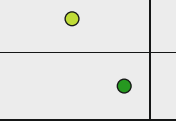
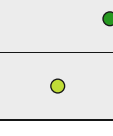
- ✔ All plough bodies have four-way reversible landsides.



Always the right choice

AMAZONE plough bodies



Plough bodies	WY 400	WL 430	WX 400
Minimum working depth approx. (cm)	12	12	12
Maximum working depth approx. (cm)	30	33	25
Maximum furrow width approx. (cm)	50	55	50
Suitability	- ○ + ++	- ○ + ++	- ○ + ++
Light, sticky soils (peat)			
Light soils (sand)			
Medium soils			
Heavy soils			
Very heavy soils (clay)			
Sloping terrain	○	●	○
Crumbling	●	●	○
Furrow clearance	●	●	●
Pulling power requirement	●	●	●
Soil inversion	●	●	●

WX 400 PE	WXL 430	S 35	WXH 400	WST 430	STU 40	UN 400/UN 430
12	15	15	15	15	18	15/20
25	28	30	33	33	40	30/40
50	55	50	55	55	55	50
- o + ++	- o + ++	- o + ++	- o + ++	- o + ++	- o + ++	- o + ++
o	o	•	o	o	o	o
o	o	o	o	•	•	•
o	•	•	•	•	•	o
•	•	•	•	o	o	o
o	•	•	•	•	•	•

Suitability:

++	very well suited
+	well suited
o	suites
-	poorly suited

Easy to adjust

The logical approach to making set-up simple





The settings centre

Logical plough adjustment

The basis for perfect plough adjustment is an adjustment system that is logical and easy to understand. The correct plough adjustment quite simply means that operating costs will be reduced, as perfect adjustment has a very positive effect on wear and tear as well as fuel consumption. The tried and tested linkage design of the Cayros ploughs is particularly well-suited for this purpose.

Hydraulic front furrow width adjustment

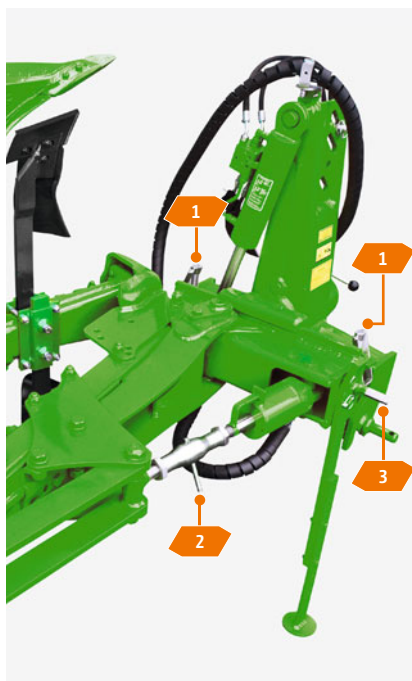
The furrow width of the first body can be adjusted as an option from inside the tractor cab using a double-acting hydraulic cylinder. This provides a high level of comfort, especially in hilly terrain, for strongly varying soils or where frequent tractor changes are required.

Quick and easy!

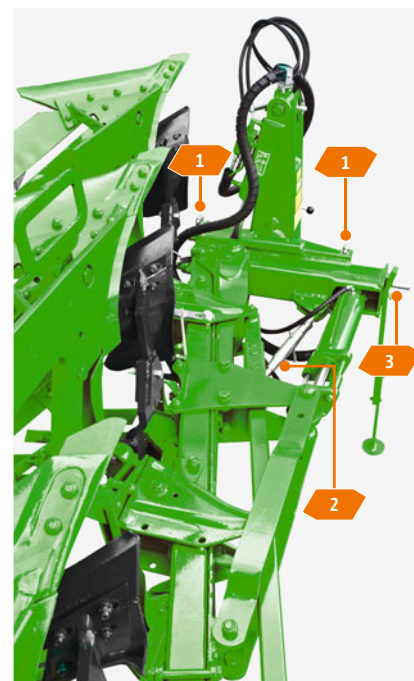
Fine-tuning of the plough can be divided into the following steps:

Adjusting the working depth of the plough via the support wheel and the lower links of the tractor.

1. Adjust the tilt using the adjustment spindles on the headstock.
2. Setting the draft point. The top link is aligned with the driving direction.
3. Set the furrow width of the first body, using the sliding headstock.



Cayros setting centre

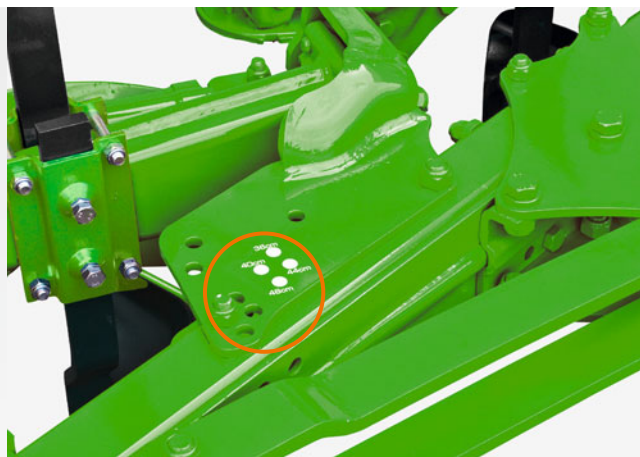


Cayros V setting centre

Furrow width, easily adjusted

Convenient and reliable furrow width adjustment





Mechanical adjustment of the furrow width

Cayros – mechanical precision

The standard furrow width adjustment can be altered in 4 steps by manually pivoting the leg fixing consoles. In this way, the implement can easily be adapted to different conditions (soil conditions, tractor, etc.). When the furrow width is adjusted, all the soil-engaging metal and the support wheel are also automatically adjusted. No additional correction is necessary.

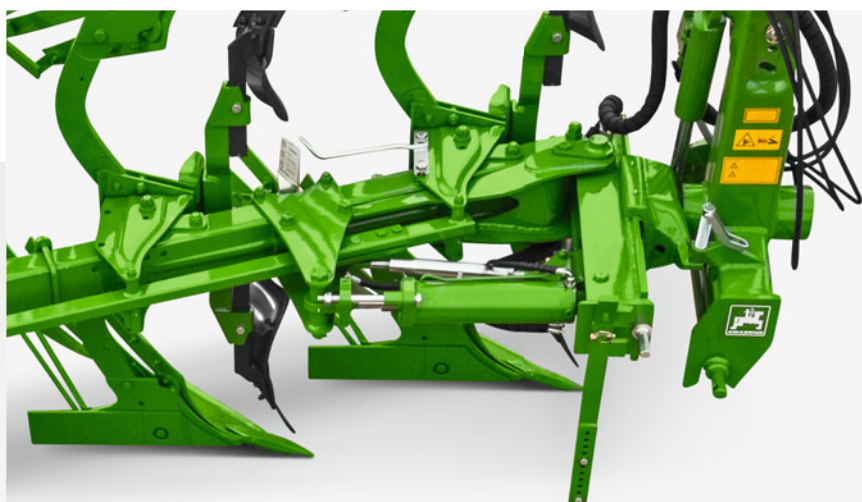
Cayros V – comfortable hydraulic operation

The furrow width can be smoothly and hydraulically adjusted from the tractor in all Cayros V ploughs. A clearly visible display, consisting of a scale and pointer, keeps the driver informed of the furrow width setting. The integrated kinematics of the Cayros V also automatically set the draft point, the front furrow width, all the soil engaging tools and the support wheel.

The advantages of the Cayros V

- ✓ Easy adjustment with automatic adaptation of the front furrow, the draft point and accessories when adjusting the furrow width – no manual correction required
- ✓ The optimised lever design of the pivot points ensures a low adjustment force and bearing load, thus reducing wear and tear and resulting in a longer service life
- ✓ The pivot points of the leg holder are outside the beam, so that any weakening of the box section due to additional drill holes is avoided
- ✓ Minimal pivot points result in minimum wear and tear and reduced maintenance requirements
- ✓ The use of CONNEX bushings ensures a longer service life

CONNEX bushings



Turnover made easy

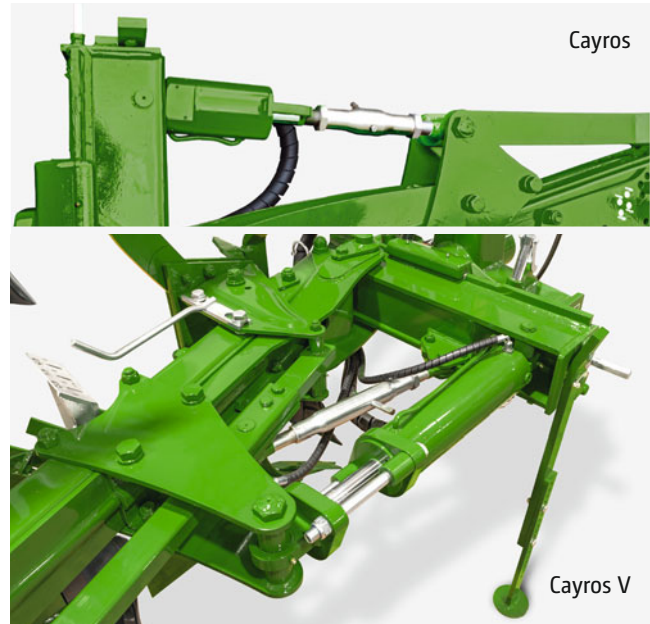
Beam swivel mechanism and hydraulic turnover

Beam swivel mechanism – simple turnover with memory cylinder

To increase ground clearance when the plough is turning over and make the operation smoother, all ploughs can be equipped with the beam swivel mechanism. This automatically swings the plough beam towards the centre of the tractor before the turnover starts and then back to its original working position once the plough has turned over. This shift in the centre of gravity also means that there is less strain on the tractor's rear lift linkage and reduces the risk of tipping while working on hilly terrain.

The benefits

- ✓ Higher ground clearance when turning the plough
- ✓ Smooth turning
- ✓ Reduction in the load on the tractor linkage
- ✓ Reduced risk of tipping



Cayros V ploughs can be optionally equipped with a memory cylinder with a floating piston, which also serves as a swivel cylinder





Optimum transmission of power across a variety of tractors as a result of the 4 different attachment points for the top link

Comfortable turnover hydraulics

All the headstocks on Cayros ploughs feature a turn-over console with a double-acting cylinder giving automatic changeover. This ensures that the turnover of the plough is smooth and jerk-free.

All the headstocks have slotted top link holes, so that the plough/tractor combination can contour follow in uneven ground.

Flexible lower link cross shaft

The one-piece lower link cross shaft is particularly elastic and provides the optimum absorption of shock loads generated during ploughing and especially during transport. Furthermore, the lower link cross shaft can be coupled quickly and without using any tools, which facilitates attachment to the tractor.

Overview: Cayros headstocks

					
Headstock model	M	XM	XMS	XS pro	XS pro reinforced version
Ø turnover shaft	80	90	100	120	
Bearings	Taper roller				
Top link position	3 (2 x slotted holes)		4 (3 x slotted holes)		
Linkage category	2 or 3 N	3N or 3		3N, 3 or 4N	
Used with M	Standard	Optional			
M (semi-automatic)		Optional			
M (V, S, VS models)		Standard			
XM (all models)		Standard			
XMS (all models)			Standard		
XS pro (all models)				Standard	Standard from 6 furrows

Stones don't stand a chance

Mechanical or hydraulic overload protection



Semi-automatic stone release

Mechanical with shear bolt overload protection

Shear bolts are the tried and tested standard solution. Under load, the shear bolt snaps off at the predetermined breaking point and the plough body gives way to the obstacle by swivelling upwards. Raise the plough, insert a new shear bolt and off you go. The high release forces of the shear bolt also allow operation in heavy soils and in hard going.

The advantages:

- ✓ Double action shear bolts
- ✓ Hardened flange plates
- ✓ High-quality shear bolts; in 10.9 quality

Semi-automatic as an alternative for the Cayros M

With the semi-automatic overload protection, the plough body swings out of the way by overcoming the strong pressure exerted by the two coil springs. For the Cayros M, this system is an alternative to using shear bolts or the hydraulic overload protection when the ground is not excessively stony.

The advantages:

- ✓ Low additional weight over and above the shear bolt overload protection
- ✓ Adjustable release force

Shear bolt stone safety protection



Hydraulic overload protection: the Cayros S

The hydraulic overload protection is basically a hydraulic cylinder with a directly connected, nitrogen-filled hydraulic accumulator on each pair of plough bodies. When triggered, the plough body pushes a piston into the accumulator via the hydraulic cylinder. The gas is compressed and automatically returns the body to its initial position after passing the obstacle. Hydraulic overload protection is available for the smallest ploughs right through to the high horsepower models.

The advantages:

- ✔ Simple adaptation of the release force
- ✔ Smooth and material-protecting operation
- ✔ Exchangeable ball joints and sockets
- ✔ Additional shear bolt as standard
- ✔ The trip forces decrease as the lift height of the released plough body increases

The hydraulic overload protection is available in 2 versions:

Option 1: Central hydraulic accumulator on the hydraulic ram

In its simplest version, the hydraulic accumulator is directly combined with the hydraulic cylinder forming a compact unit.

The advantages:

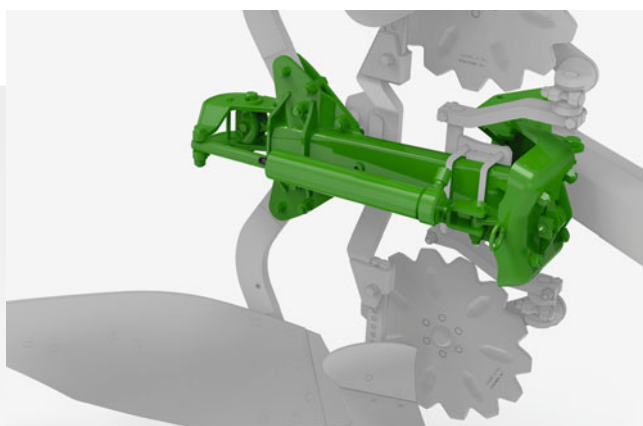
- ✔ The plough bodies release completely independently of each other
- ✔ The plough bodies can be pretensioned differently
- ✔ No hydraulic hoses or pipes on the plough beam

Option 2: Hydraulic accumulators with inter-connected pipework

Via the connection of the individual components, the release force can be also adjusted centrally across all the bodies. An isolator valve on each hydraulic accumulator means that the setting on each plough body can, from choice, be also set independently to different pressures.

The advantages:

- ✔ The adjustment of the release force is carried out across all plough bodies in just one step (even whilst on the move)
- ✔ Similar pipe cross-sectional area means that each furrow has only a slight influence on each other



Simply neat

Disc coulters and skimmers



Trash boards

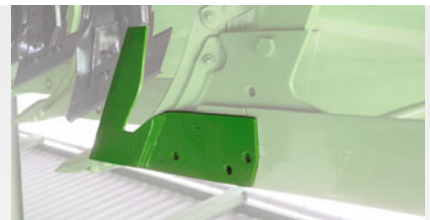
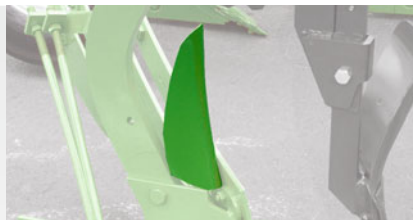
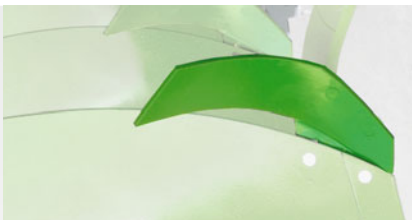
A cost-effective alternative to skimmers when incorporating surface crop residues. With additional support on the leg as standard.

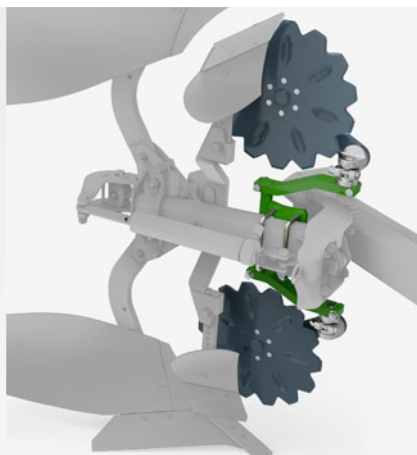
Deflector boards

In conjunction with the skimmers, the deflector plates prevent straw (especially maize straw) from wrapping around the leg.

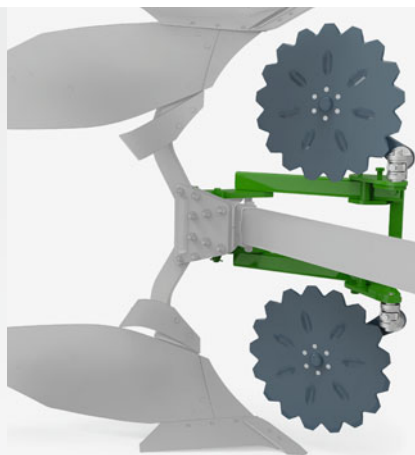
Sword landsides

The sword landside is an alternative to the disc coulters, which, especially on heavy, stony ground ensures a clean furrow wall and also reduces the wear and tear on the plough body.

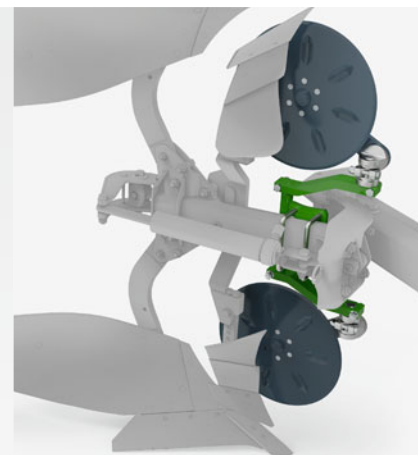




500 mm serrated disc couler



600 mm serrated disc couler



500 mm smooth disc couler

Disc coulters – for clean, tidy ploughing

The disc couler is important for a clean finish to the ploughing. Disc coulters also make a considerable contribution to efficient ploughing. The disc coulters' precise cutting action helps achieve full inversion and complete incorporation of any crop residues as well as leaving an effective furrow clearance.

Serrated or smooth disc coulters with a diameter of 500 mm or 600 mm are available. The depth of the coulters is adjusted via finely graduated toothed discs. As an alternative, spring-loaded disc coulters can also be fitted to

ploughs with hydraulic overload protection. These provide more space between the couler and skimmers. The disc couler can then also avoid obstructions independently of the plough body.

The benefits:

On ploughs with shear bolt overload protection, the discs can also be adjusted in the driving direction, leaving plenty of clearance between the body and the couler.

Skimmers

The use of skimmers ensures blockage-free ploughing, even under the most difficult of conditions. The following skimmers are available:

M0 Skimmer

The M0 skimmer is universally suited for use in grassland ploughing as well as where there are large amounts of crop residues, especially maize straw.

G1 Skimmer

The use of the G1 skimmer ensures blockage-free ploughing, especially on heavy and sticky ground or when ploughing grassland for the first time.

M3 Skimmer

Optimum performance with extreme crop residues (especially maize straw), recommended only in conjunction with large point to point clearances of 105 or 115 cm. Not available for ploughs with hydraulic overload protection.



M0 Skimmer



G1 Skimmer



M3 Skimmer

- ✓ Fully adjustable version (working depth, stepless pull-in force adjustment and three-position throwing angle adjustment) optionally available for the M0 and G1 skimmers and included as standard with the M3 skimmer.

The right wheel for every plough

More versatility – more applications

Pendulum support wheel front																	
		Double support wheel				Pneumatic tyre				Pneumatic tyre				Pneumatic tyre with AS profile			
Diameter		500 mm				600 mm				680 mm				690 mm			
Width		185 mm				220 mm				250 mm				320 mm			
Model	Number of furrows	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5
Cayros	M			x				x ¹⁾									
	S models/V models			x				x ¹⁾									
	VS models																
Cayros	XM			x				x ¹⁾				x ¹⁾					
	S models/V models			x				x ¹⁾				x ¹⁾					
	VS models			x				x ¹⁾²⁾				x ¹⁾²⁾					
Cayros	XMS							x ¹⁾				x ¹⁾	x ¹⁾			x ¹⁾	x ¹⁾
	S models							x ¹⁾				x ¹⁾	x ¹⁾			x ¹⁾	x ¹⁾
	V models							x ¹⁾				x ¹⁾	x ¹⁾			x ¹⁾	x ¹⁾
	VS models							x ¹⁾²⁾				x ¹⁾²⁾				x ¹⁾²⁾	

x¹⁾ from 95 cm body to body clearance

x²⁾ not for 115 cm body to body clearance

Pendulum support wheel rear													
		Pneumatic tyre				Pneumatic tyre				Pneumatic tyre with AS profile			
Diameter		600 mm				680 mm				690 mm			
Width		220 mm				250 mm				320 mm			
Model	Number of furrows	2	3	4	5	2	3	4	5	2	3	4	5
Cayros	M	x	x	x									
	S models	x	x	x									
	V models		x	x									
	VS models		x										
Cayros	XM all models		x	x			x	x					
Cayros	XMS		x	x	x		x	x	x		x	x	x
	S models/V models		x	x	x		x	x	x		x	x	x
	VS models		x	x			x	x			x	x	

! “For operators that don’t want to compromise, Amazone now has a swivel adapter for the pendulum support wheel. This swivels the wheel up behind the last furrow - a fantastic feature!”

(“Landwirt Österreich” Cayros M 950 practice test · 03/2019)



✔ Optional swivel adapter

Combi wheels at the rear																	
		Pneumatic tyre				Pneumatic tyre			Pneumatic tyre with AS profile			Pneumatic tyre		Pneumatic tyre		Pneumatic tyre with AS profile	
		Single arm										Double arm					
Diameter		600 mm				680 mm			690 mm			600 mm		680 mm		690 mm	
Width		220 mm				250 mm			320 mm			220 mm		250 mm		320 mm	
Model	Number of furrows	2	3	4	5	3	4	5	3	4	5	5	6	5	6	5	6
Cayros	M	x	x	x													
	S models	x	x	x													
	V models		x	x													
	VS models		x														
Cayros	XM all models		x	x		x	x										
Cayros	XMS		x	x	x	x	x	x	x	x	x						
	S models/V models		x	x	x	x	x	x	x	x	x						
	VS models		x	x		x	x		x	x		x		x		x	
Cayros	XS pro												x		x		x
	V models												x		x		x
	S models/V models											x	x	x	x	x	x

! “Turning the plough over is easy, thanks to an adjustable hydraulic damping system.”

(“Landwirt Österreich” Cayros M 950 practice test · 03/2019)



Levelling and reconsolidation in one pass

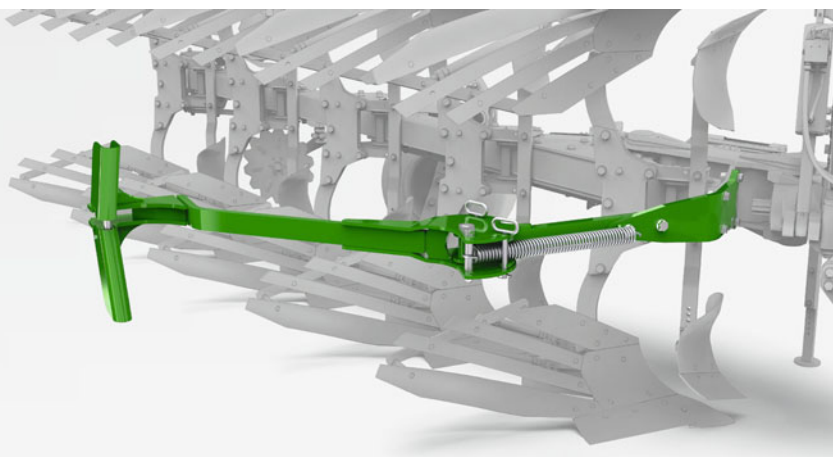
Packers



Integrated packer system for the Cayros XMS – for even greater efficiency

The cooperation between VSS Agro and AMAZONE further expands the range of different reconsolidation options possible.

With the FurrowPress attachment kit for the Cayros XMS, the advantages of an integrated packer system can now also be used on AMAZONE ploughs.



Robust, adjustable swivel press arm

Swivel press arm

A swivel press arm can be fitted as an option for pulling a packer with the plough. All packer arms are equipped with a spring-loaded catcher which dampens the load peaks

caused when picking up the packer. The arm is operated hydraulically via an additional spool valve for optimum comfort.

Packers – for even greater efficiency

AMAZONE has expanded its packer range via a strategic co-operation with the company Tigges for even greater efficiency on your farm. As a result, it is now possible to combine AMAZONE ploughs with packers from Tigges in a matching AMAZONE design. Various ring diameters as well as different ring profiles are offered. In addition, there is a choice of single or double ring packers up to a working width of 4.65 m.



What end users have to say about the Cayros

! “Leaves a fantastic finish”

In addition to the good experience gained from their existing AMAZONE machinery and a previous Vogel & Noot plough, the choice of plough body convinced the owners of Düfelsiek Farm to buy a Cayros XMS V. They were not disappointed. On the contrary. “The Cayros has always ploughed exceptionally well and leaves a fantastic finish on our farm, even when directly incorporating the harvest residues after grain maize (without any pre-mulching)”, said the operations manager. In his opinion, this is particularly due to the “great share”. Another factor, according to their operations manager, is the extremely good furrow clearance of the plough body, which enables ploughing with 710 section tyres. The easy pulling of the plough also makes its use extremely economical. The day to day work is lightened by the easy adjustment of the Cayros. “I can send any of my workers out with this machine,” the operations manager adds.



✓ Jörg Düfelsiek in front of his Cayros XMS V 5 furrow plough with the WL-430 plough body – “Just right for my type of soils”

Operation:	Düfelsiek Farm
Focus:	cereals, pigs, biogas plant
Location:	Brockhagen, East Westphalia-Lippe, North-Rhine Westphalia, Germany
Climate:	precipitation 700 mm/year
Farm size:	180 ha
to be ploughed:	60 ha/year for maize and winter cereals
Soil type:	mainly sandy soil, part loam
Machine in work:	Cayros XMS V mounted reversible plough, 5 furrow, WL 430 plough bodies



✓ “A fantastic finish, even when incorporating grain maize harvest residues.”



Cayros M



Cayros M 3-950

! “The easy-pulling Classic!”

The Cayros M 3-950 was also intensively tested by the magazine “Landwirt Österreich”. In addition to the easy adjustment, there were positive reports about the excellent plough profile achieved in practice. The Cayros M 3-950 offered a convincing solution, even in hilly terrain and despite the large amounts of harvest residues. The ease with which the plough could be pulled was another highlight.

(see “Landwirt Österreich” magazine Cayros M 950 practice test · 03/2019)

! “The plough was very easy to pull, due to its light and compact design. On level ground it can even be pulled by an 80 hp tractor.”

(“Landwirt Österreich” Cayros M 950 practice test · 03/2019)



32 to 52 cm/furrow



Up to 120 hp



Up to 10 km/h



2, 3 or 4 furrows



The features at a glance

- ✓ 2, 3 or 4 furrows
- ✓ For tractors up to 120 hp/88 kW
- ✓ 80 mm diameter turnover shaft and adjustable taper roller bearings:
 - Standard on ploughs with shear bolt and stepped furrow width adjustment
- 90 mm diameter turnover shaft:
 - Standard on ploughs with the S stone safety device and/or the V furrow width adjustment
 - optional for ploughs with shear bolt and stepped furrow width adjustment
- ✓ Over-dimensioned beam 120x100x8 mm
- ✓ Choice of shear bolt, semi-automatic or hydraulic overload protection
- ✓ A choice of 2 body to body clearances

The Cayros M is a universally usable plough for a wide range of tractor sizes up to 120 hp/88 kW. With a comfortable settings centre and an extensive list of optional extras, it is at home on every smaller and medium-sized farm.

The Cayros M models at a glance:

	Number of furrows	Interbody clearance (cm)	Beam height (cm)	Furrow width (cm)	
				mechanical	hydraulic
Cayros M with shear bolt or semi-automatic overload protection	2	95/102	78	36/40/44/48	–
	3				32–52
	4				
Cayros M-S with automatic hydraulic overload protection	2	95	78	36/40/44/48 ¹⁾	–
	3	95			32–52
	4	95			–

¹⁾ Not for hydraulic furrow width adjustment

Cayros XM

The middle-weight all-rounder



Cayros XM 4-950 VS



! “The decision to buy the Cayros XM was the right one!”

“We were impressed by the demonstration held on a neighbouring farm and decided to buy a 4 furrow Cayros XM 1050. The results were impressive, especially the high clearance obtained by the support wheel, which is mounted at a distance to the last plough body. The decision to buy the Cayros XM was definitely the right one!” says Damian Chyliński, operations manager in south-eastern Poland.



32 to 52 cm/furrow



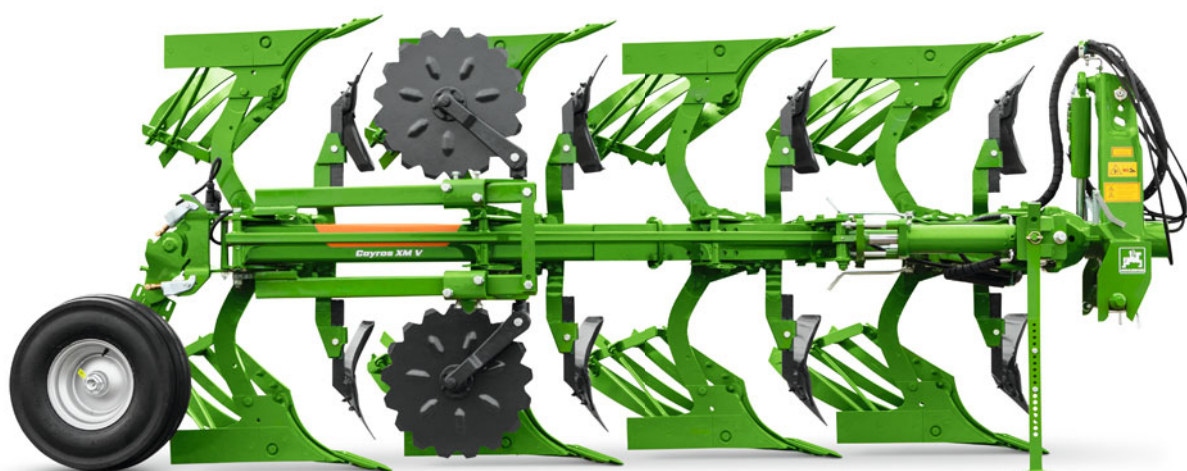
Up to 140 hp



Up to 10 km/h



3 or 4 furrows



The features at a glance

- ✓ 3 or 4 furrows
- ✓ For tractors up to 140 hp/103 kW
- ✓ 90 mm diameter turnover shaft and adjustable taper roller bearings
- ✓ Over-dimensioned beam 150x100x8 mm
- ✓ Choice of shear bolt or hydraulic overload protection
- ✓ 3 body to body clearances to choose from (model-dependent)

The Cayros XM is an all-rounder for tractors up to 140 hp/103 kW, due to its correspondingly dimensioned turnover mechanism and beam. With beam heights of up to 82 cm and a body to body clearance of up to 105 cm, even large amounts of harvest residues can be easily incorporated.

The Cayros XM models at a glance:

	Number of furrows	Interbody clearance (cm)	Beam height (cm)	Furrow width (cm)	
				mechanical	hydraulic
Cayros XM with shear bolt overload protection	3	95/105	78/82	36/40/44/48	32–52
	4				
Cayros XM-S with automatic hydraulic overload protection	3	95	78	36/40/44/48	32–52
	4	95			

Cayros XMS



Cayros XMS 4-1050 VS



! “This plough easily copes with any variation in soil type”

Since the 2017 season, Welpinghus Farms in Borholzhausen (Germany) has been making use of a Cayros XMS V. Equipped with the WL-430 plough bodies, this plough leaves a particularly good working profile. “The plough pulls easily into the soil under any conditions!” says operations manager Henrik Welpinghus. He is particularly pleased that, despite its excellent furrow clearance, the plough is very easy to pull.



32 to 52 cm/furrow



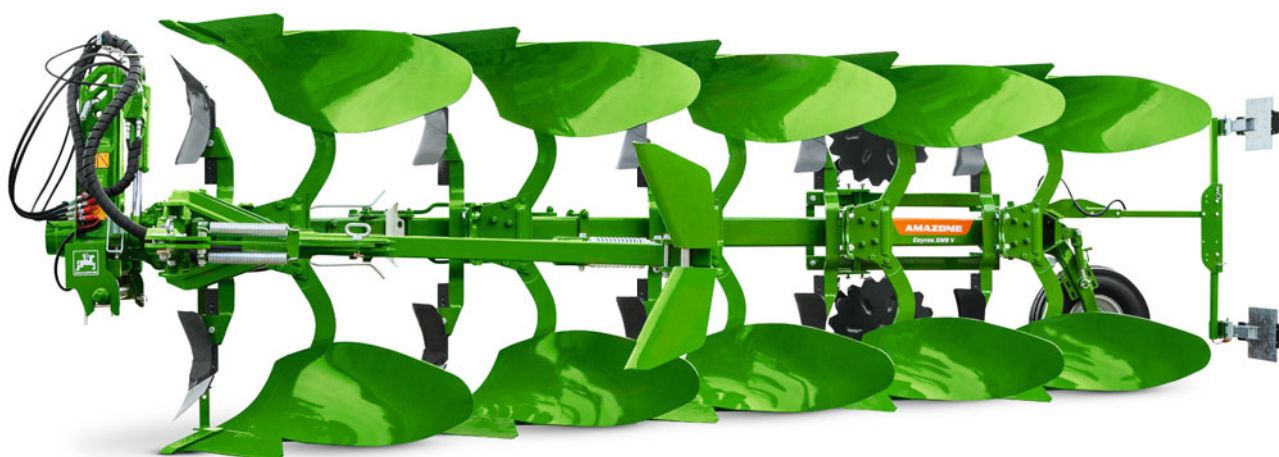
Up to 180 hp



Up to 10 km/h



3, 4 or 5 furrows



The features at a glance

- ✓ 3, 4 or 5 furrows (depending on the model)
- ✓ For tractors up to 180 hp/132 kW
- ✓ 100 mm diameter turnover shaft and adjustable taper roller bearings
- ✓ Robust beam 150x100x8 mm (12 mm wall thickness on 5 furrows)
- ✓ Shear bolt or hydraulic overload protection
- ✓ 3 body to body clearances to choose from (model-dependent)

An ingeniously designed turnover mechanism with easy adjustment and an excellent range of options makes the Cayros XMS a versatile, universal plough for tractors up to 180 hp/132 kW.

The Cayros XMS models at a glance:

	Number of furrows	Interbody clearance (cm)	Beam height (cm)	Furrow width (cm)	
				mechanical	hydraulic
Cayros XMS with shear bolt overload protection	3	85/95/105	78/82	36/40/44/48	32–52
	4				
	5				
Cayros XMS-S with automatic hydraulic overload protection	3	85/95/105	78/82	36/40/44/48	32–52
	4				
	5	85/95			

Cayros XS pro

The heavy-weight mounted plough for larger tractors



Cayros XS pro 6-950 VS



✔ First-class depth control

Due to the comprehensive range of support wheels, depth control on the Cayros is a very individual choice. The various attachment point options and numerous wheels mean that the support wheel can be optimally adapted to the practical requirements. Choose the right support wheel, from a simple metal wheel up to a full combi wheel.



32 to 55 cm/furrow



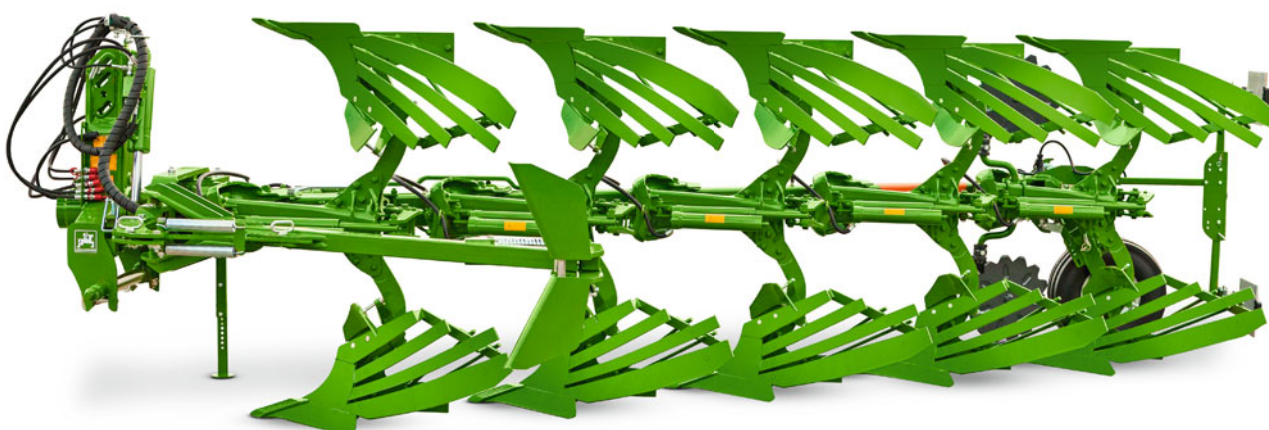
Up to 380 hp



Up to 10 km/h



4, 5 or 6 furrows



The features at a glance

- ✓ 4, 5 or 6 furrows (depending on the model)
- ✓ For tractors up to 380 hp/279 kW
- ✓ 120 mm diameter turnover shaft and adjustable taper roller bearings
- ✓ Over-dimensioned beam 200x150x10 mm
- ✓ Shear bolt or hydraulic overload protection
- ✓ 3 body to body clearances to choose from (model-dependent)

The extremely robust design of the turnover mechanism, beam and legs make the Cayros XS a high-performance choice for large-scale operations, contractors or any heavy-duty application. Body to body clearances up to 115 cm and beam heights up to 90 cm also make the Cayros XS an unbeatable option for large amounts of harvest residues.

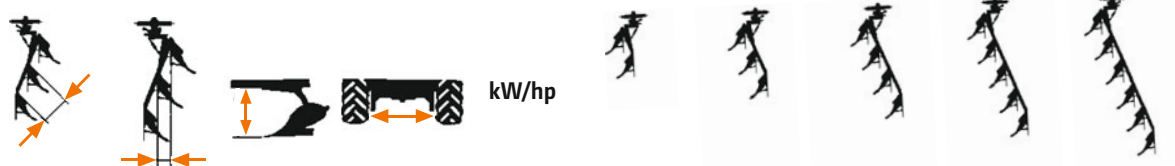
The Cayros XS pro models at a glance:

	Number of furrows	Interbody clearance (cm)	Beam height (cm)	Furrow width (cm)	
				mechanical	hydraulic
Cayros XS pro with shear bolt overload protection	4	105/115 ¹⁾	82/90	36/40/44/48	32–55
	5				
	6	105			
Cayros XS pro-S with automatic hydraulic overload protection	4	95 ¹⁾	78/82	36/40/44/48	32–55
	5				
	6	95 ¹⁾			

¹⁾ Not for stepped furrow width adjustment

Technical data

Cayros mounted ploughs



Model	Body to body clear- ance (cm)	Furrow width (cm)	Beam height (cm)	Wheel track inner dimension (mm)	max. kW (hp)	Weight of the base machine (kg)*									
						2 furrow		3 furrow		4 furrow		5 furrow		6 furrow	
Option							S		S		S		S		S
M 950 ²⁾	95	36/40/44/48	78	950–1,500	88 (120)	575	680	730	895	890	1,110	–		–	
M 1020	102					580	–	735	–	895	–	–		–	
XM 950	95	36 ¹⁾ /40/44/48	78/82 for S ploughs 78	1,050–1,650	103 (140)	–		865	1,030	1,010	1,230	–		–	
XM 1050	105					–		870	–	1,015	–	–		–	
XMS 850	85	32/36/40/44	78/82	1,050 to 1,650 for S ploughs 1,250 to 1,850	132 (180)	–		975	1,140	1,150	1,370	1,345	1,620	–	
XMS 950	95	36 ¹⁾ /40/44/48				–		980	1,145	1,160	1,380	1,360	1,635	–	
XMS 1050	105					–		985	1,150	1,170	1,390	1,375	–		–
XS pro 1050	105	36/40/44/48	82/90	1,050–1,850	279 (380)	–		–		1,375	–	1,610	–	1,835	–

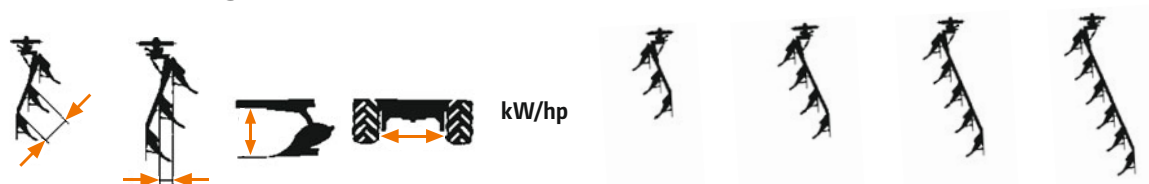
* Weight depends on beam height, plough bodies and optional equipment

¹⁾ not possible for 1050-S variant (disc coulters in front of each body)

²⁾ also available as a V plough



Cayros V mounted ploughs



Model	Body to body clearance (cm)	Furrow width (cm)	Beam height (cm)	Wheel track inner dimension (mm)	max. kW (hp)	Weight of the base machine (kg)*							
						3 furrow		4 furrow		5 furrow		6 furrow	
Option							VS		VS		VS		VS
M 950 V	95	32 – 52	78	950 to 1,500 for S ploughs 1,150 to 1,700	88 (120)	800	965	975	–	–	–	–	–
XM 950 V	95	32 – 52	78/82 for S ploughs 78	1,050 to 1,650 for S ploughs 1,250 to 1,850	103 (140)	950	1,115	1,110	1,330	–	–	–	–
XM 1050 V	105					955	–	1,115	–	–	–	–	–
XMS 850 V	85	32 – 52	78/82	1,050 to 1,650 for S-ploughs 1,150 to 1,850	132 (180)	985	1,270	1,240	1,530	1,515	1,810	–	–
XMS 950 V	95					990	1,280	1,250	1,540	1,530	1,825	–	–
XMS 1050 V	105					995	1,290	1,260	1,550	1,545	–	–	–
XS pro 950 V	95	32 – 55	82/90 for S ploughs 82	1,050 to 1,850 for S ploughs 1,250 to 2,050	279 (380)	–	–	1,890	–	2,295	–	2,695	–
XS pro 1050 V	105					–	–	1,755	–	1,960	–	2,215	–
XS pro 1150 V	115					–	–	1,770	–	1,980	–	–	–

* Weight depends on beam height, plough bodies and optional equipment

Illustrations, content and technical data are not binding and may differ depending on the level of equipment. Country-specific road traffic regulations apply and must be complied with, meaning that special approval may be required. The permissible axle loads and total weights of the tractor should be checked. Not all the listed combination options are possible with all tractor manufacturers.

Options to meet any demand

The right solution to meet those special requirements



Thanks to the combi wheel and the easily visible road lighting kit, the Cayros can also be safely driven on roads



Subsoiler points for deep loosening

Under certain conditions, it may be necessary to loosen the surface below the working depth of the plough body. The loosening fingers are height-adjustable and can be easily changed to reduce the cost of wear and tear.



Lower link cross shaft adapter for more lift height

To increase the lift height of the plough, all lower link cross shafts can be optionally provided with an adaptor, which moves the cross-shaft into a lower position and thus increases ground clearance during turnover. The lower link cross-shaft adaptor can be retrofitted at any time.

Lighting kit for additional road traffic safety

All ploughs can also be fitted with a road lighting kit for road transport. Either pointing to the left (for transport with plough in working position) or double-sided for use with combined transport/depth wheels, these lighting systems ensure safety whilst driving on roads.



The road lighting kit is quick and easy to remove before beginning any field work

The original is simply better

AMAZONE service and quality



Experience that pays off. AMAZONE therefore guarantees you the highest quality thanks to a very high level of vertical integration across its own factories in Europe – and it has been doing so for more than 140 years. The original is simply better.

In most cases, things need to happen very quickly, especially when time is tight for optimum weed control. That is why AMAZONE offers a first-class parts service with genuine parts that are precisely matched to your machine. So your machine is always ready for use - quality parts and available worldwide.

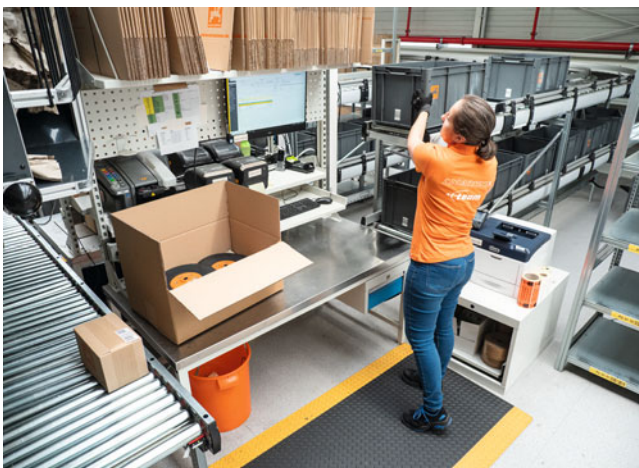
The Global Parts Center in Tecklenburg-Leeden in Germany is the base for our worldwide parts logistics system. This ensures the optimum availability of parts, even for older machines. Whenever you need us, the AMAZONE service team is there for you, supported by a network of competent and highly trained sales partners and service technicians.

AMAZONE also offers an intensive introduction to the operation and handling of your new machine on your farm by a trained member of the AMAZONE team. Alternatively, you can use "SmartLearning" - AMAZONE's interactive driver training - to familiarise yourself with the machine's operation before using it for the first time.

Reliable ploughing from the very first metre.

The advantages of genuine parts and wearing metal:

- ✔ Quality, reliability and performance
- ✔ Immediate availability, even for older machines
- ✔ Higher resale value of your used machine



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WARRANTY

» Register now and apply for a 24 month manufacturer guarantee!

- ✔ Extend the protection offered for your machine with a 24 month manufacturer guarantee.
- » The guarantee on offer can be applied for within the contractual warranty period of 12 months after initial installation.

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- ✔ The right parts list for your machine with just one click.
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OPERATION

» Now enter the machine number and see at a glance all the relevant information to help get the maximum performance from your machine

- ✔ Season start and commissioning
- ✔ Adjustment and operation
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