90 Years ovlac
A Passion for Soil

MAXIDISC-II

SHORT DISC HARROW

Speed, efficiency, and profitability

OVLAC

90 YEARS OF EXPERIENCE

In tillage equipment

Ovlac is a **family-owned company** which has been manufacturing farming equipment since 1936. Since its begginings, Ovlac has focused its activity in manufacturing mouldboard ploughs, which have been the company's flagship product for decades and still is today.

Over the last 15 years, the **Ovlac** product range has expanded to include other soil working tools such as Cultivators, Chisels and Short Disc Harrows. Today, Ovlac is being run by its third generation and its the biggest Spanish soil working equipment manufacturer.

Ovlac exports around 60% of its production to more than 20 countries.

Competitive and demanding markets such as France, Germany and the United Kingdom, or beyond Europe to the likes of Chile, South Africa, New Zealand or China.

Thanks to our state of the art manufacturing techniques, and our in-house R&D department, we can guarantee a high quality throughout our products. **Ovlac** is determined to produce products of the highest quality, this is ingrained into our day-to-day manufacturing processes. Every step and decision taken in our company is carried out to meet our main goal: to offer our clients reliable products they can be proud of.

MAXIDISC

An experience that withstands the test of time

The short disc harrow with independent discs is a market **Ovlac** has been familiar with for more than 20 years. At that time, when the trend in Europe was for machines with small-diameter discs and limited working capacity, **Ovlac** opted to develop a tool with features different from those of other manufacturers: the Eurodisc, with 24" (610 mm) discs and an unprecedented safety element for this type of product, the leafspring. It became a unique tool with extraordinary capabilities, even in the most adverse conditions.

A few years later, to complete its range of short harrows and based on the experience gained, **Ovlac** launched its second model, the **Maxidisc**. A version with elastomer security, a less aggressive attack angle than the Eurodisc, thus requiring less power, and which can accommodate both 24" (610 mm) and 20" (510 mm) discs.

The **Maxidisc** is characterized by its robust and clear design, guaranteeing optimal incorporation of residues and seedbed preparation in all types of terrain. Both the elastomer safety system and the disc hubs are 100% maintenance-free, minimizing operation time and costs.

The **Maxidisc** is available in suspended and trailed versions, with working widths from 2.5 to 9 meters.

R&D AND QUALITY MANUFACTURING

Ovlac follows a process with several control points, starting with the selection of the highest quality raw materials and the most modern and precise production tools to provide a perfect finish. In line with this philosophy, we use high elasticity limit (ALE) steels at all critical points, as well as the highest quality wear parts.

Ovlac carries out constant R&D work for continuous improvement of its machines. As a result of this work are the patented elastomers with axial retention or the super robust hubs of our own design with proven reliability.

Maxidisc GC's video

MOUNTED RANGE

Plenty of room to move

The **Maxidisc-II** is available in fixed versions from 2.50 to 3.50 meters and in foldable versions from 4 to 6 meters. The mounted range is more practical in headlands due to its maneuverability, which will result in a higher work rate.

One of the factors that ensure the penetration of a short disc harrow is its weight, which in the case of the **Maxidisc** does not depend on the rear rollers, but on the machine's own robust structure, which transfers a great load directly onto the discs.

Moreover, for its evolution, the suspended version can be converted at any time into a mounted version thanks to the predisposition in its design. Of course, it is homologated for road transport.

FEATURES

- Under beam clearance 78 cm with 20" discs.

- Under beam clearance 86 cm with 24" discs.

- Distance between rows of 100 cm.

- Distance between discs 13 cm.

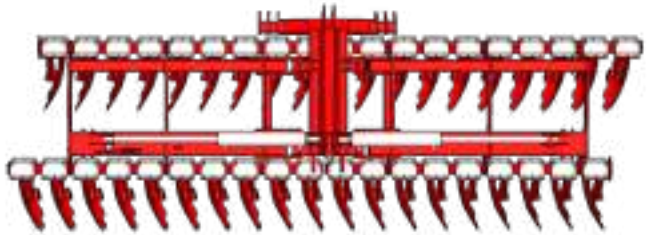
Side deflectors with parallelogram (Optional)

Left edge disc to close the furrow formed by the left rear disc (Optional)

Tined rake placed between the rows of discs or between the discs and the roller to slow down the flow of soil and break it up (Optional).

Traffic signs and LED lights (option).

Hydraulic roller adjustment (Optional)



The Maxidisc-II easily fulfills its various functions, from stubble cultivation to weeding, cover crop destruction, limiting soil moisture evaporation, and leveling plots before sowing. In all conditions, from the driest to the wettest, its design will provide full satisfaction due to its efficiency.

TRAILED RANGE

Maximum efficiency!

The trailed range is available in working widths from 4 to 6 meters, with just 2,55 m width when folded for transport on the road. It is the ideal option, especially if reconsolidation rollers are chosen, as their weight discourages their use in mounted versions.

The trailed **Maxidisc** is hitched to the tractor lifting arms, allowing better control and regulation of the machine from the tractor cab. The wide rear axle with hydraulic suspension allows smooth and safe transport on the road.

The trailed **Maxidisc** complies with European regulations and certifications. It is equipped with 500/50 17" wheels as standard for transport and a signaling kit.

FEATURES

- Under beam clearance: 78 cm with 20" discs.

- Under beam clearance: 86 cm with 24" discs.

- Distance between rows: 100 cm.

- Distance between discs: 13 cm.

Front wheels 200/60 14.5". (Optional).

Double front wheels 200/60 14.5". (Optional).

Tined rake placed between the disc rows or between discs and the roller to stop the flow of earth and tear it to pieces. (Optional).

Side deflectors with parallelogram (Optional)

Left edge disc to close the furrow formed by the left rear disc. (Optional).

Hydraulic roller adjustment (Optional)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TRAILED RANGE - GC

Sweep away the hectares!

The GC version is a solution for large tractors from 250 to 500 HP. The work rate can reach up to 12 ha/h*, thanks to working widths of 7, 8, and 9 meters and a working speed of up to 15 km/h, depending on the conditions and the desired work.

One of the standout features of this version is the position of the hydraulic transport wheels in front of the machine. These wheels, combined with the roller at the rear, provide excellent depth control. The front wheel position avoids compacting the work done by the discs, unlike other semi-mounted machines on the market.

The **Maxidisc GC** is designed to offer ease of use despite its dimensions. It includes two memory systems: the first in the front control wheels, and the second in the tilting frame angle (third-point function), so that after a headland maneuver, the pre-set adjustments are automatically restored.

* Depending on the type of plot and the soil being worked.

Tined rake placed between the disc rows or between discs and the roller to stop the flow of earth and tear it to pieces. (Optional).

Double front wheels 200/60 14.5' with hydraulic folding for transport (standard).

Side deflectors with parallelogram (Optional)

Limiting left side disc to close the furrow made by the rear left disc. (Optional).

Hydraulic adjustment of the roller. (Optional).

WHAT MAKES US UNIQUE

The Maxidisc offers a series of features that make it a truly unique tool.

THE CHASSIS

The **Maxidisc** has a truly unique chassis. Super robust, made from high-quality steels and based on a powerful central frame with a section of 300*300 mm.

Its open design offers great clearance for smooth work without the risk of clogging, even in the presence of large volumes of residue.

THE HUBS

Oversized hubs specifically designed by **Ovlac**. They feature a block with a double double conical bearing of high quality and are 100% maintenance-free.

Their placement on the inner face of the disc allows the use of a shorter arm, which is therefore subjected to less strain, while also ensuring optimal alignment, minimizing lateral stresses. This hub design also provides more clearance and greater protection from soil contact and projections from neighboring discs.

The shaft-disc assembly is manufactured in a single forged piece, thus avoiding any welding.

SAFETY

Not all elastomer are the same.
Ovlac has extensive experience in this field, and for this reason, the **Maxidisc** is equipped with proven and tested elastomers.

They also feature a specific design (patented) with ridges at the ends to avoid the well-known lateral escape issue in this type of machine. The total absence of rotating elements like bushings and pins makes the system 100% maintenance-free.

THE ARMS

The discs of the **Maxidisc** are mounted on independent arms, which provide a series of advantages:

- Each disc reacts independently to obstacles without disturbing the work of neighboring discs.
- Greater clearance as there are no connection elements between consecutive discs.
- All the pressure from the security system is applied to a single disc.

THE DISCS

In the manufacturing of the **Maxidisc**, the highest quality materials are used. The wear elements, the discs, are no exception. With a thickness of 6 mm and 6 fastening bolts, they can withstand the most extreme conditions.

Their aggressive attack angle, 17º in the working direction and 6.30º in the vertical direction, ensures high penetration capacity in difficult soils.

ROLLERS

400 mm or 520 mm notched roller (80/90 kg/m)

With notched plates in ALE steel, this aggressive roller levels the soil without compacting it. Ideal in non-wet conditions, it perfectly breaks up clods and crushes plant material on the surface. It is not recommended for wet and sticky conditions.

480 or 540 mm bar roller (80/90 kg/m)

Ideal for tillage, even in light or already worked soils, it provides good soil conditioning without compacting it. It works in both dry and wet conditions. It is the simplest and most versatile roller.

480 mm bar tandem roller + 400 mm notched roller (150 kg/m)

This combines the tillage advantage of a tubular roller with the clod-breaking capacity of a notched roller. Ideal for intense clod breaking even in light or already worked soils. It offers good soil reconsolidation without compacting it. Works in dry or moderately moist conditions.

520 mm leaf spring roller (130 kg/m)

Especially suitable for heavy and sticky soils. Ideal for breaking clods and mixing plant residues. Supplied as standard with adjustable intermediate scrapers.

600 mm V-Ring roller (130 kg/m)

Its aggressive V-shaped rings are ideal for breaking and refining the soil while providing medium reconsolidation of the soil. Not recommended for stony soils. Adapts well to wet conditions.

520 mm T or U ring roller (140 kg/m)

A relatively light roller, the T profile is ideal for breaking clods and plant residues, while providing medium reconsolidation of the soil, and is suitable for less clay and sticky soils. The U profile allows working in stickier soils, loading up to create a soil-to-soil contact that prevents clogging. Supplied as standard with adjustable intermediate scrapers.

600 mm double V Profile disc roller (200 kg/m)

A truly reconsolidating roller with high soil pressure, suitable for working in heavy soils. In mounted machines, its heavy weight must be taken into account.

TECHNICAL FEATURES

		Discs	Kind of Folding	Working Width (m)	Transport Width (m)	Power* (HP)	Weight** (kg)	Underbeam Clearance (cm)	Distance between discs	Distance* between rows (cm)
MAXIDISC-II Mounted	MAXIDISC-II 250	20	Fix	2.40	3.02	80-100	1770/2020	83	13	100
	MAXIDISC-II 300	22	Fix	3.00	3.02/3.30	90-120	1960/2235	83	13	100
	MAXIDISC-II 350	26	Fix	3.50	3.70	110-140	2255/2580	83	13	100
	MAXIDISC-II 400-P	30	2 Parts	4.00	2.55	130-160	2425/2975	83	13	100
	MAXIDISC-II 450-P	34	2 Parts	4.50	2.55	150-180	2925/3350	83	13	100
	MAXIDISC-II 500-P	38	2 Parts	5.00	2.55	170-200	3010/3710	83	13	100
	MAXIDISC-II 550-P	42	2 Parts	5.50	2.55	180-220	3560/4085	83	13	100
	MAXIDISC-II 600-P	46	2 Parts	6.00	2.55	200-250	3885/4460	83	13	100
MAXIDISC-II Trailed	MAXIDISC-II 400-A	30	2 Parts	4.00	2.55	130-160	3425/3975	83	13	100
	MAXIDISC-II 450-A	34	2 Parts	4.50	2.55	150-180	3925/4350	83	13	100
	MAXIDISC-II 500-A	38	2 Parts	5.00	2.55	170-200	4010/4710	83	13	100
	MAXIDISC-II 550-A	42	2 Parts	5.50	2.55	180-220	4560/5085	83	13	100
	MAXIDISC-II 600-A	46	2 Parts	6.00	2.55	200-250	4885/5460	83	13	100
MAXIDISC-II GC	MAXIDISC-II 700-GC	54	3 Parts	7.00	3.02	200-250	-	83	13	100
	MAXIDISC-II 800-GC	62	3 Parts	8.00	3.02	230-280	-	83	13	100
	MAXIDISC-II 900-GC	70	3 Parts	9.00	3.02	240-300	-	83	13	100

* The recommended power is subjective and depends on the working depth, the kind of soil, etc. The indicated value is a medium value and is given for information purposes.

**The indicated weights are calculated with the 400 mm roller and 20" and 24" discs.

In order to calculate the weight of the machine with the chosen roller, reduce the weight of the standard roller (multipliying by the number of metres) and add the weight of the chosen roller according to the upper table (multipliying it too by the number of metres).

90 YEARS OF SOIL PASSION

Conventional ploughs

Shallow ploughs

Short disc harrows

Tine cultivators

Tine cultivators for vineyards

Short disc harrows for vineyards

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