



Since 1936

XPerience

Innovative Tillage Technology





OVLAC

MORE THAN 80 YEARS OF EXPERIENCE

In tillage equipment

Ovlac is a **family-owned company** which has been manufacturing farming equipment **since 1936**. Since its beginnings, 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.



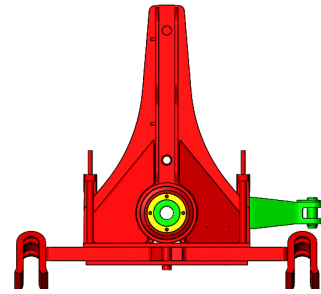
RANGE: THE RIGHT MODEL TO FIT YOUR TRACTOR

Ovlac's range of **XPerience** reversible ploughs is made up of 3 series, 3 ranges, so you can always find the ideal solution to suit your available power and soil conditions.

SERIES 130

Featuring a substantial **140 mm diameter** headstock shaft. This series is available in a 4 or 5 furrow configuration, and is rated up to 200 HP (150 kW).

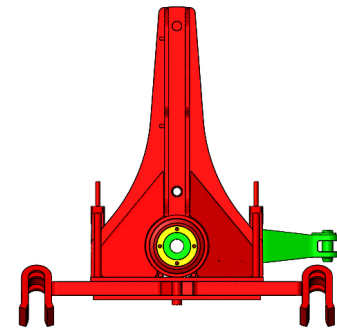
At the same time, it keeps the 100 by 150 mm frame section of the 120 Series to stay light.



Headstock 130.

SERIES 150

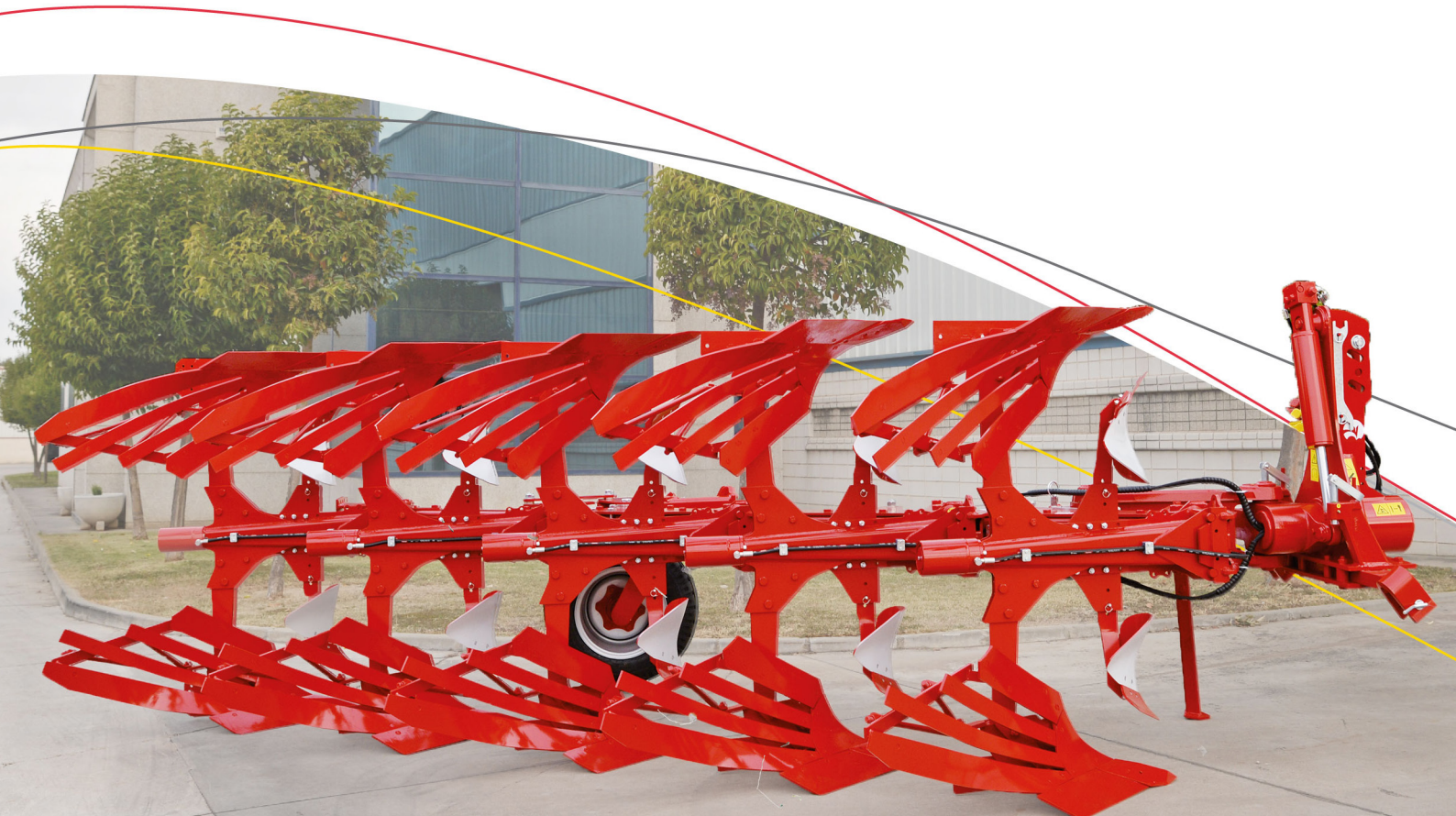
Higher Strength available as 4 and 5 furrow configurations designed for arduous conditions and higher horse power. Rated up to 225 HP (165 kW). 150 by 150 mm frame section and reinforced headstock with a 140 mm shaft diameter.



Headstock 150/180.

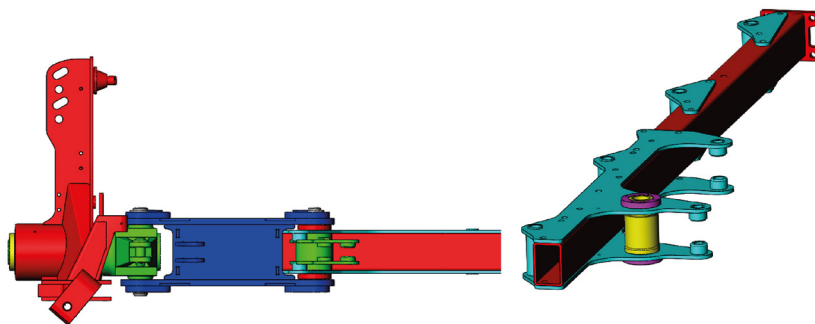
SERIES 180

The **Pinnacle** in the mounted range available as 5 and 6 furrow configurations. With a superstructure design consisting of 150 by 150 mm frame section, heat treated 140 mm headstock, substantial reinforced Hardox supports and larger turnover ram. This range topping mounted plough is capable of remarkably high work rates. Rated up to 285 HP (210 kW)



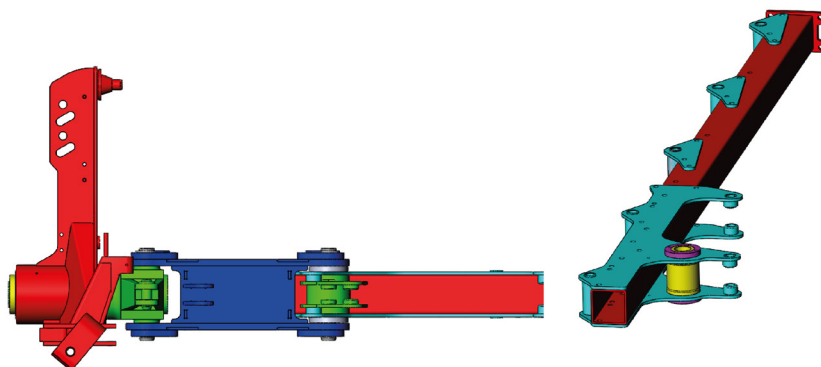
**SERIES
130**

Headstock 130 + frame support 130
+ 150*100 mm frame section



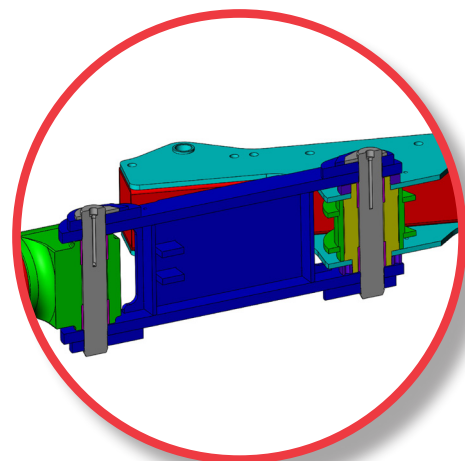
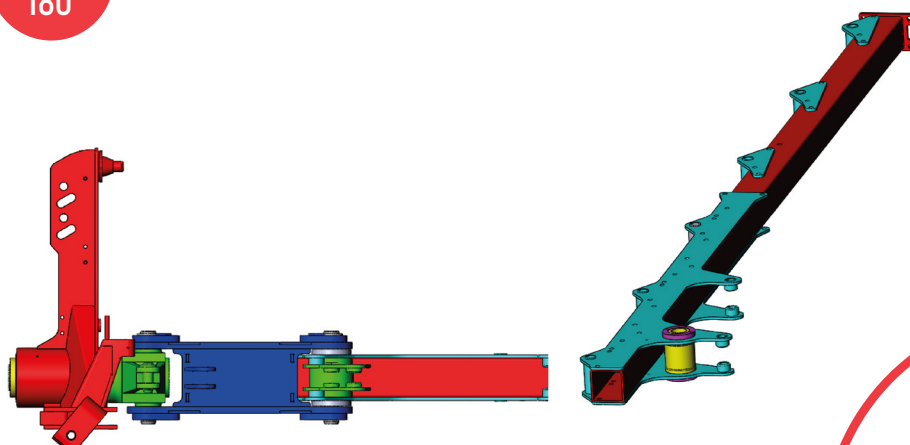
**SERIES
150**

Headstock 150 + frame support 150 +
150*150 mm frame section.



**SERIES
180**

Headstock 180 + frame support 180 +
150*150 mm frame section.



PROTECTION SYSTEMS

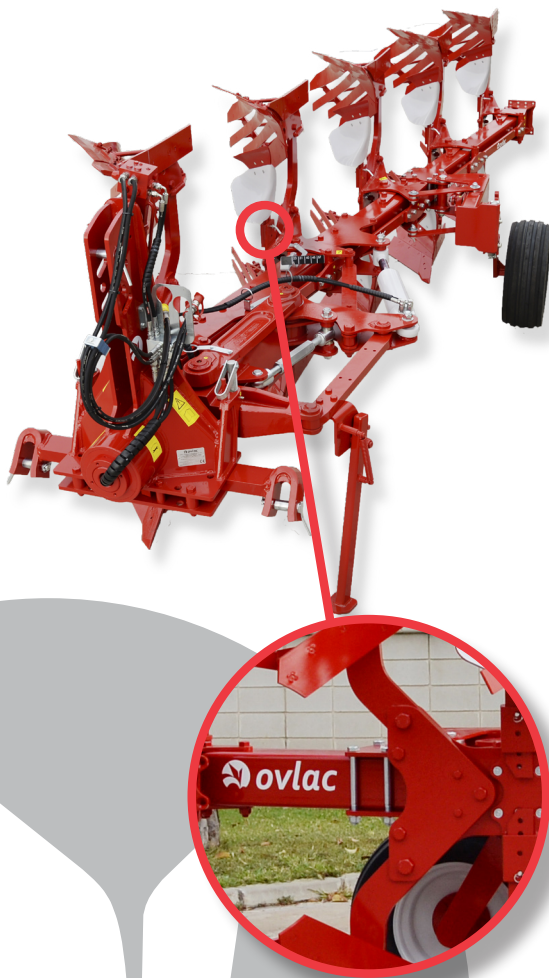
Shear bolt and hydraulic

Taking into account working conditions, **Ovlac XPe-rience** ploughs can be equipped with two different protection systems.

SHEAR-BOLT SECURITY SYSTEM:

The simplest of all two. The shear bolt thickness, steel grade and position are calculated so it breaks under a pressure of approx. **3000 kg exerted at the point**. It is highly recommended that broken shear bolts be replaced by genuine ones; a non-genuine shear bolt, bearing a different dimension or steel grade can result in serious damage to the main plough frame for not correctly accomplishing its task.

Shear bolt



HYDRAULIC NON-STOP SYSTEM:

Regulated trip mechanism. It allows for **adapting release pressure according to soil conditions**. In heavy or compacted soil, pressure can be increased in order to guarantee penetration and maintain an optimal working position of the bodies. On the contrary, under stony conditions pressure can be set lower in order not to bring stones onto the surface. Frog legs are also bolted on to the beam, and not welded thus benefitting from **dual security**.

Hydraulic



VARIABLE WORKING WIDTH

"XP" model - "XP-V" model

Working width adjustment is available in all **Ovlac XPerience** ploughs in order to adapt the plough to soil conditions or the desired work.

Working width of all **"XP" models** (XPF y XPH) can be manually adjusted by simply shifting positions of the support bolt into a different hole on the beam. There are **four different working widths with 2 inch increment adjustments**.

All **"XP-V" models** (XPFV y XPHV) come with the well known Ovlac Varilabor variable working width as standard. Working width can be **hydraulically operated from the tractor cab** between 12 and 20 inches per body (can slightly change depending on different models). This feature provides several advantages:

- **Optimized output**, making the most out of the tractor power.
- **Adaptation to desired work** in terms of working depth, soil type, crop types and seasons.
- **Adaptation to ploughing plot individualities:** topography and obstructions.

Automatic Memory System: the complete range of **Ovlac XPerience** reversible ploughs in 5 and 6 furrows comes as standard with an automatic memory system which withdraws the plough main frame to its minimum width so as **to guarantee a gentle turning over** and avoid that the rear end of the plough hitting the ground. Once this operation is done, the plough automatically returns to the originally set working width.

"XP" Model



"XP-V" Model



WHAT MAKE US UNIQUE

Oscilating drawbar. Automatic self-alignment

+1 - OSCILATING DRAWBAR.

AUTOMATIC SELF-ALIGNEMENT

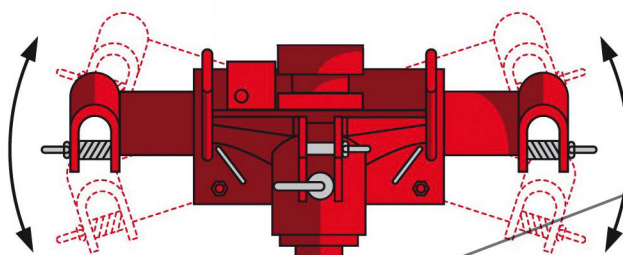
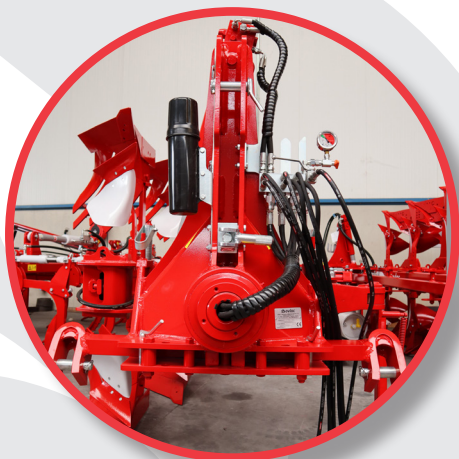
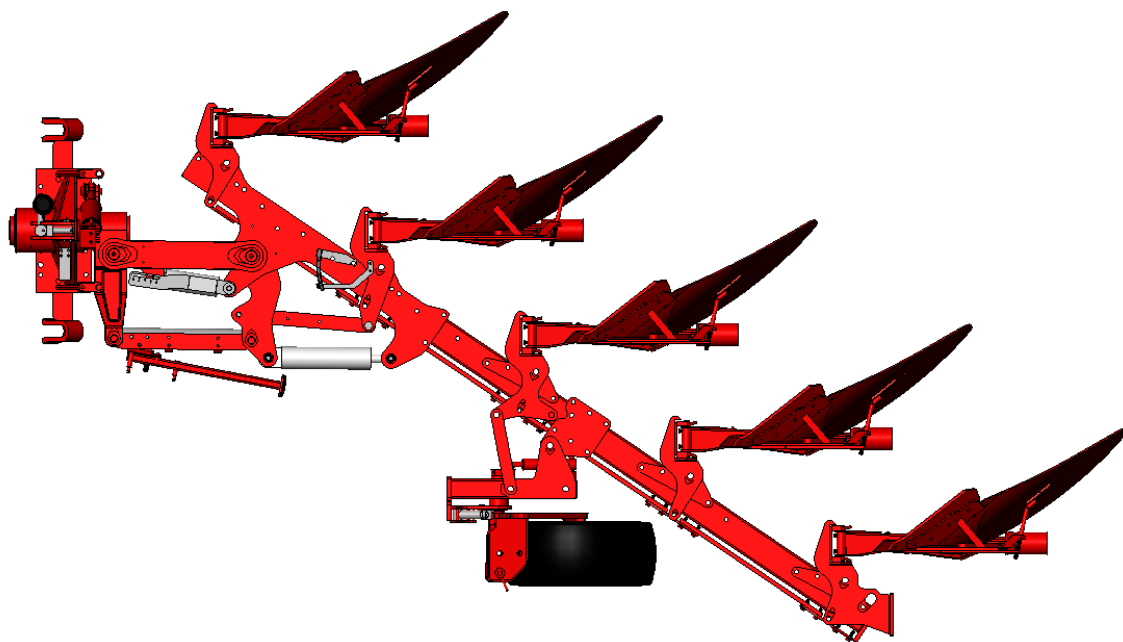
Ovlac XPerience reversible ploughs can be equipped with two hitching-up systems to the lower tractor arms: the common **Fixed Coupling** with its related alignment regulation, or more favorable and well proven Oscillating Hitch with automatic alignment adjustment.

The Oscillating Hitch makes it possible for the **plough** to move freely from a central pivoting point in the cross-shaft and to find by itself the perfect balance between the side pressure exerted on the mouldboard and the landside. Therefore it is no longer necessary to adopt complicated adjustments in order to regulate

the draw line so as to make the plough work perfectly aligned. **Alignment is automatically corrected** with no need of any operation by the operator.

In the Hydraulic Vari width ploughs the Oscillating Hitch makes it possible for the plough to adjust itself to the new pressure balance resulting from modifying working widths, correcting automatically and immediately the ploughs alignment, with no effort required by the operator. It cannot be simpler.

When lifting the plough up for transport or turning over, the Oscillating Hitch **will automatically lock** itself preventing the plough from balancing sideways.

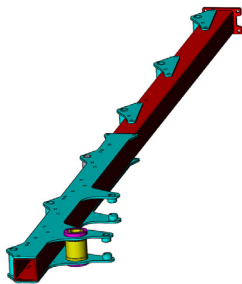


OTHER STRONG POINTS

Frames, Non Stop systems, Variewidth

+2- SUBSTANTIAL SIMPLE AND RELIABLE MAIN BEAM

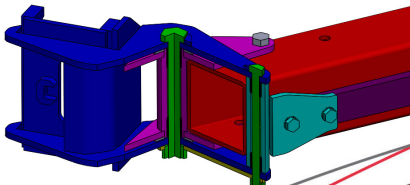
The main beam is made in high quality steel, and is **100% free from welding**. Therefore tensions and weak spots are eliminated. Furthermore, in its forefront, the area where efforts are biggest, the frame is reinforced with "Hardox sandwich" plates.



+3- LONGEVITY DESIGNED IN

In hydraulic vari width models (XPV), **body supports are bolted** onto the frame; thus, in the case of an improbable breakdown, these supports are easily replaceable.

Furthermore, the pivoting points of these supports are located away from the main frame, this way the frame is **not weakened or subject to any wear**. These pivoting points are equipped with wear resistant case-hardened bushes and greasing points in order to ensure a long lifespan.



+4- NON STOP PLOUGHS FOR THE HARDEST CONDITIONS

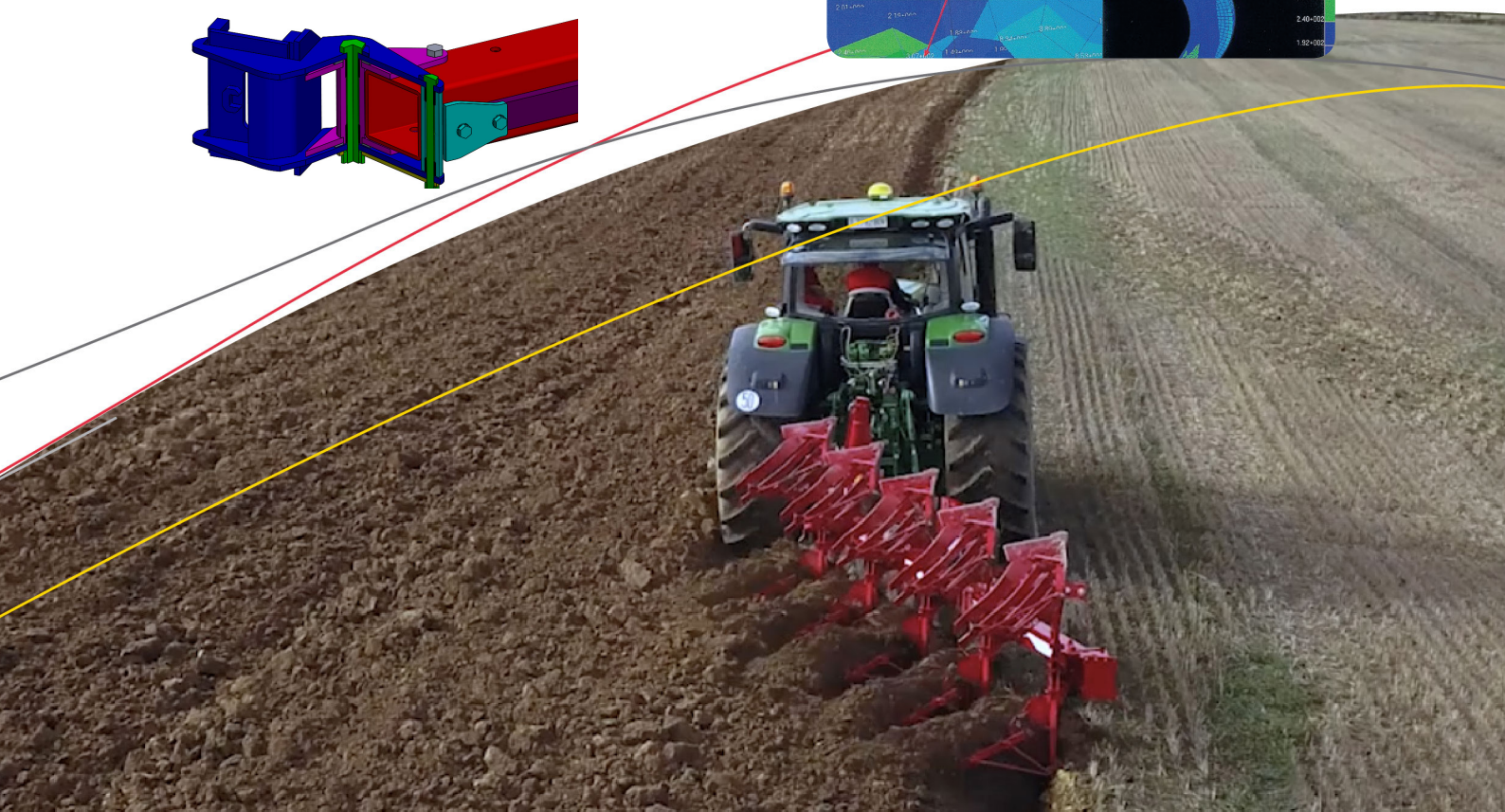
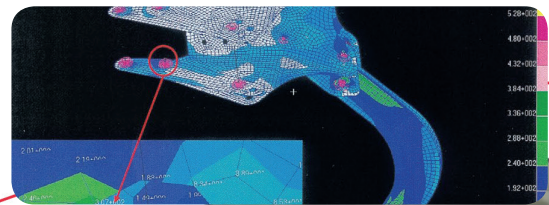
In Hydraulic non-stop Ploughs, frog beams/legs are bolted instead of welded. One of the fixing bolts is specifically designed as a shear bolt, which results in an **extra security** to be added to the Non Stop



The Articulated Security Rod linking the leg holder to the main frame has been designed to withstand the most rigorous conditions. Its articulated system results in a genuine 3D security system.

+5- EXPERIENCE AND MODERNITY

Ovlac has over 80 years of experience in the manufacturing of ploughs. This practical knowledge is supplemented up by the efforts of a young team of capable engineers using the latest design, development and production techniques in order to attain the perfect combination of experience and modernity.





RANGE

PROTECTION



Variwidth	Manual	Hydraulic		Manual	Hydraulic
180 CV	XPF 130	XPVF 130		XPH 130	XPVH 130
225 CV	XPF 150	XPVF 150		XPH 150	XPVH 150
285 CV	XPF 180	XPVF 180		XPH 180	XPVH 180

TECHNICAL FEATURES



Shearbolt



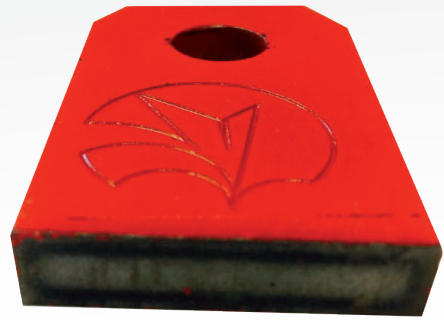
Hydraulic

	No. of bodies	4-EXT		5		5-EXT		6	
	Protection	S	H	S	H	S	H	S	H
SERIES 130	Working width [XP/XPV]	140-200 / 120-200		175-250 / 150-250					
	Inter body clearance [cm]	85 95 105		85 95					
	Under beam clearance [cm]	72 78 90	72 78	72 78					
	Weight [XP/XPV]	1585 1665	1680 1760	1755 1855	1915 2015				
	Power [HP]	120-160		150-180					
SERIES 150	Working width [XP/XPV]	140-200 / 120-200		175-250 / 150-250					
	Inter body clearance [cm]	85 95 105	85 95	85 95					
	Under beam clearance [cm]	72 78 90	72 78	72 78					
	Weight [XP/XPV]	1670 1750	1795 1875	1850 1950	2050 2150				
	Power [HP]	120-180		150-225					
SERIES 180	Working width [XP/XPV]					175-250 / 150-250		210-300 / 180-300	
	Inter body clearance [cm]					85 95 105		85 95	
	Under beam clearance [cm]					72 78 90	72 78	72 78	
	Weight [XP/XPV]					1860 1960	2150 2250	2040 2160	2405 2525
	Power [HP]					150-240		180-285	

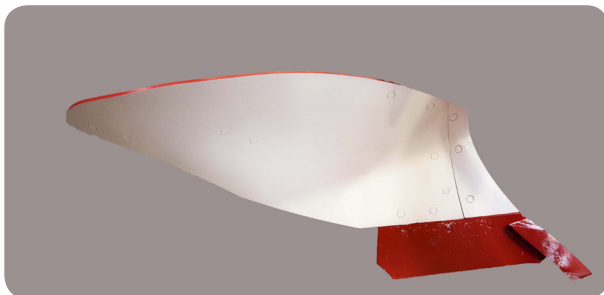
BODIES

Range of 5 plough bodies

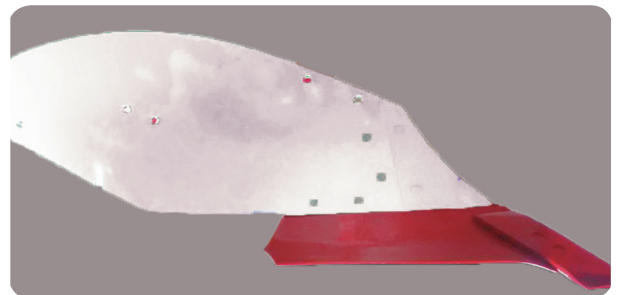
Ovlac has 5 different plough bodies in order to offer the most suitable option for a specific ploughing technique and soil. All genuine Ovlac mouldboards (with the exception of the slatted and plastic boards) are made in 8 mm thickness and undergo a **unique Case - Hardening process** in order to **achieve over HRc 62 on their surface** while still offering a soft core. Apart from guaranteeing a long lifespan of the mouldboard, case-hardening also results in less sticking and better soil flow.



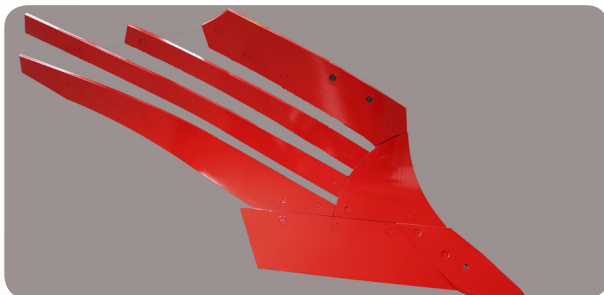
Case-hardening allows for higher hardness on surface, more than 62 HRc, while keeping a soft, flexible core.



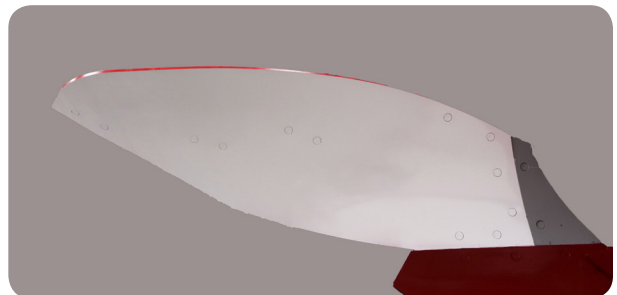
V-34: all-purpose body for all types of soil. Well suited for wide tyres. Good soil turning with limited tractor power requirements. For depths between 15 and 35 cm.



V-97: all-purpose body for all soil types. Very low tractor power requirement. Working depth between 15 and 30 cm.



V-LOV: mouldboard with slats. Suitable for sticky soils. All wearing parts mounted with conical bolts in order to lengthen lifespan, specially of slats.



V-90: leaves a wide furrow; specially recommended for very wide tractor tyres (>760 mm). Very good soil turning thanks to its extra length. Similar power requirement to body V-97.



PLASTIC: recommended for very sticky soils with no stones. Same geometry as V-34 body.

OPTIONS

Wide range of accesories

A wide range of accessories is available in order to adapt the plough to any working type and soil.

GRASS



Trashboard.

G



MAIZE

M



HIGH CAPACITY

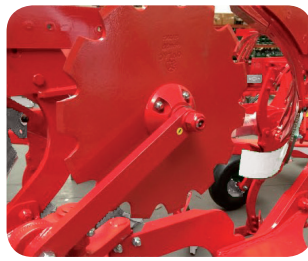
HC



Three skim mouldboards available: Grass, Maize and High Capacity. It is important that Skimmers are correctly set in height. That's why we have designed them so no tools are needed to this end.



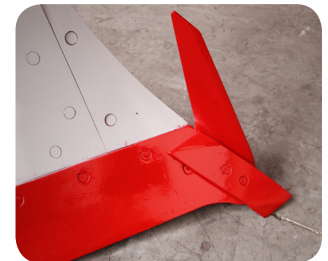
Smooth or Notched Coulter Discs with Non Stop Security System.



Coulter Discs. either Smooth or Notched. 18 or 20 inch.



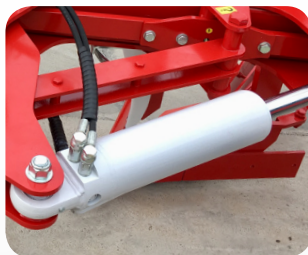
Tailpress.



Share knife.



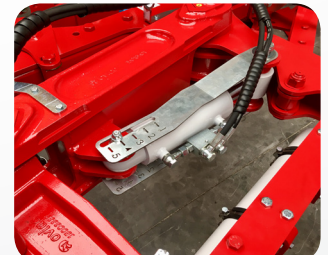
Landisde extention.



Memory cylinder.



X-Light beam, 25 kg lighter than standard one (Max: 32 HP per body). Available solely for 130 series.



Hydraulic Front Furrow Width Adjustment.

WHEELS

A large range to meet any need

We have the perfect wheel for your needs.

Ovlac XPerience reversible ploughs can be equipped with very different wheel types:

As regards its function, there are **Depth Control Wheels** and **Combi Wheels**, both for depth control and transport. As regards their position, we have either Rear or Advanced Wheels. **Rear Wheels** assure an optimal plough balance as well as better weight transfer to the tractor while ploughing.

In turn, **Advanced Wheels** are advisable when trying to get closer to field borders. Advanced Wheels also result in less strain on tractor arms when in transport or when turning the plough over as the centre of the gravity is closer to the tractor.

Several wheel sizes and types of wheels are available to suit your requirements.



Rear depth control wheel 550/65.



Rear depth and transport wheel 250.



Rear depth control wheel 250.



Advanced depth control wheel 250.



Advanced depth and transport wheel 340.



Hydraulic depth control wheel 280/70.



Advanced wheels allow for ploughing right to the edge as they fit within the width of the plough frame.

OTHER PRODUCTS

In the Ovlac range



CONVENTIONAL PLOUGHS



SEMI-MOUNTED PLOUGHS



MINI



MINI N



MINI S



MINICHISEL VINEYARD



XLANDER



VERSATILL



CHISEL



MAXIDISC II



EURODISC



MINIVID



GC LINE



REPTILL



A SOLUTION
FOR ANY FIELD



Polígono Industrial, C/ TAF, P163
34200 - Venta de Baños
Palencia - España



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