

VERSATILL

STUBBLE CULTIVATOR

Simple effective cultivation



OVLAC

90 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.





ovlac





VERSATILL

A great range

For many years, **Ovlac** has been developing and evolving its range of tillage equipment offering across Europe, where it has gained an excellent and constant innovation.

Ovlac has considerable experience in manufacturing high capacity stubble cultivators. They started in the early 90's with their popular leafspring Chisel, then extended the range at the turn of the current century with the Fenix and finally launched the Versatill in 2010.

Now, **Ovlac** have gathered more than two decades of experience and sold thousands of machined which are the new generation of the **Versatill**. An all-purpose stubble cultivator available in 2 or 3 rows which can be used both for shallow cultivation (8-15 cm) or deep decompaction up to 40 cm.

With two protection systems available. shearbolt or hydraulic auto-reset, the new **Versatill** is **Ovlac's most versatile piece of equipment**. Just one machine to carry out a wide range of diverse jobs in any soil or conditions.



VersaTill's video

QUALITY MANUFACTURING

Ovlac follows a manufacturing process with several control points, starting from the choice of the highest quality raw materials and the most modern and precise production tools to offer a perfect finish.

In line with this philosophy, we use high Elastic Limit steels (HEL) in all critical points, which guarantees a long service life. In addition, the whole main structure of the **Versatill** (frame, brackets and tines) is robot-welded, which guarantees strength and reliability.

Furthermore, the material and treatment of shares, points, boards, etc, is of the highest quality in order to achieve reduced and regular wear.

MOUNTED RANGE

For medium and high HP tractors

The new **Versatill** is capable of working in a variety of soil types and is designed to cultivate up to 40 cm deep. A choice of two or three rows of tines with 86 cm under frame clearance allow a user to specify the machine to suit the work required.

The **Versatill** is ideal for incorporating large volumes of crop residue whilst deep cultivating to remove compaction. Alternatively, it can be used as a shallow soil cultivator for stubble cultivation and seedbed preparation.

The **mounted Versatill** has a strong, ladder style box section frame and is designed to cope with the toughest of heavy clay or stony conditions. Mounted versions are available in 2.4 m to 6 m working widths and suitable for tractors from 100 hp up to 300 hp.

The **Versatill** can be fitted with rear levelling tines or discs and variety of different roller options to crumble and consolidate the soil.

FEATURES

- 2.4 m to 6 m working width.
- 2 rows of tines with 95 cm row spacing.
- 3 rows of tines with a 73 cm row spacing.
- 86 cm under frame clearance.
- 30 cm tine spacing.
- Shearbolt or hydraulic reset (variable trip pressure).
- Various accessories and rear rollers available.





Mounted Versatill cultivators are ideal for primary cultivation, the shares efficiently mix and incorporate crop residues leaving a level surface ready for final seedbed preparation.



TRAILED RANGE

For high work rates and high HP tractors

The **trailed Versatill** has the same main features as the mounted one. Its articulated drawbar provides weight transfer for improved traction during work and ensures simple precise depth control.

The rear axle with 3 m wide track width and 500/50 tyres provides stability for transport. The axle is equipped with hydraulic suspension to reduce shocks to the frame during transport and make a comfortable ride for the driver.

Additional front depth wheels are available to precisely control the depth and prevent the tines pulling the machine in too deep.

The **trailed Versatill** folds to 3 m transport width.

FEATURES

- 4 m to 6 m working width.
- 2 rows of tines with 95 cm row spacing.
- 3 rows of tines with a 73 cm row spacing.
- 86 cm under frame clearance.
- 30 cm tine spacing.
- Shearbolt or hydraulic reset (variable trip pressure).
- Articulated drawbar.
- Front depth control wheels (option).
- Various accessories and rear rollers available.
- Rear axle with hydraulic suspension, marker boards and lights.





Trailed Versatill cultivators are ideal for primary cultivation, the shares efficiently mix and incorporate crop residues leaving a level surface ready for final seedbed preparation.







38 COMBINATIONS

The **Versatill** is designed to be configured to suit the task in hand. Mounted and trailed versions with two and three rows of tines can be used as a bare machine or fitted with levelling discs to work in front of a variety of different types of roller.

Up to **38 different configurations** allow the Versatill to be specified for primary stubble cultivation or seedbed preparation.



BARE MACHINE (2 and 3 rows)

When used as a simple ripper for pan cracking or soil loosening, the Versatill can be equipped with a pair of wheels for simple and effective depth control.



MACHINE (2 and 3 rows) + ROLLER

The Versatill can be fitted with a variety of different types of roller for improved depth control, crumbling and consolidation.



MACHINE (3 rows only) + DISCS + ROLLER

For seedbed preparation the 3 row machine can be fitted with levelling discs to work in front of the roller providing an excellent, level and firm finish.

PROTECTION SYSTEMS

Shearbolt or hydraulic auto-reset

The **Versatill** is available with 2 safety systems: **shearbolt or hydraulic auto-reset**. The former is recommended for light conditions.

The **shearbolt thickness**, grade and position are calculated so it breaks at a pressure of 2,000 kg exerted at the point.

However, the most widespread system used in Europe is **hydraulic auto-reset protection** with adjustable break away pressure, allowing the operator to adjust the machine to the conditions.

This system requires no maintenance and allows the trip pressure to be adjusted from the tractor cab, unlike a mechanical safety device.

In fact, in stony soils, it may be preferable to work with low pressure to avoid lifting stones up to the surface.

In this way excessive stress is not transferred to the frame. In heavy soil, high pressure will keep the tines at the optimum angle thus maintaining a constant working depth.

The 86cm under-beam clearance, 73 cm row spacing (95cm in 2-row versions) and 30cm tine spacing enables working in a wide range of conditions up to 40 cm deep.



HYDRAULIC AUTO RESET SYSTEM

Advantages

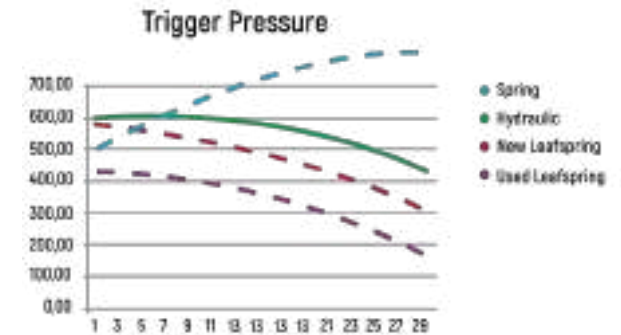
The ability the trip pressure depending on soil conditions allows the tines to be kept in their optimum working angle.

This results into a series of **advantages**:

- Constant working depth and, therefore correct tillage performance.
- Fuel savings of up to 30%.
- A significant reduction of wear as points are working at the correct angle.

This chart shows how different security systems behave:

- The **blue curve** represents a traditional coil spring system. This type of break back often starts from a relatively low trip pressure which then increases rapidly as the tine trips. That means excessive stress being transferred to the chassis and main structure of the cultivator.
- The **red and purple curves** show the leafspring auto reset protection system. When new (red curve), the initial pressure is high, which helps keep the tine in its right position, and it decreases as the tine trips, which protects the frame and main parts of the cultivator from the stress. However, after a certain time the leafsprings get deformed and the curve moves down in parallel (purple curve). The initial breakaway force is then lower so the tine may trip too easily and may not be able to go back to its correct working position.
- The **green curve** shows the Ovlac hydraulic auto reset system. The initial trip pressure is set at the factory at 600kg and then decreases as the tine trips thanks to the precise geometry of the pivot points. In addition, this curve can be moved up or down in parallel as required depending on soil conditions by adjusting the hydraulic pressure accordingly. Importantly the trigger pressure does not degrade over time.



POINTS AND SHARES

The **Versatill** is an all-purpose stubble cultivator suitable for primary or secondary cultivation. A number of different points and shares can be fitted to **Versatill** legs to suit the soil and conditions.

As standard, the machine is equipped with a two hole forged point fitted tungsten carbide wearing tiles. The design of the point ensures the optimum working angle is maintained throughout its life. The following additional point and wing options are available.



Forged point
255 x 80 x 22 mm.

Heavy-duty forged point with carbide tiles. The shape of the point is kept throughout the entire lifespan guaranteeing penetration and constant working depth as well as providing important fuel savings. (Standard).



Forged point
295 x 80 x 22 mm.

Recommended for less wearing soils, its V-shaped stripes fill up with soil reducing wear thanks to the soil-to-soil contact.



10 mm right/left wings.

Recommended for shallow cultivation up to 15cm deep, these wings offer a 37cm cutting width. With a 30cm tine spacing they ensure overlap across the full working width. They are also available with tungsten carbide tiles as an option.



8 mm twisted guide boards.

The twisted guideboards break up and turn the soil creating a perfect mix with crop residue across the full working depth. The outer tines are equipped with a specifically designed board to keep soil throw within the implement working width.



8 mm tip extension.

A low disturbance guide board is advised for breaking up the plough pan or carrying out soil loosening work when no mixing is needed.



Chisel Body.

Ripper body with reversible plough point. Only available for the optional Leafspring tine.

LEVENLLING

For the 3 row machine

Levelling is essential to provide an even surface for the roller to consolidate. The **Versatill** can be fitted with either shearbolt protected or rubber mounted discs to level the soil in front of the roller.

Both options are mounted **on a parallelogram combined with the rear roller** and their working depth is set using a central turnbuckle.

The **roller** can therefore be used to adjust the working depth of the tines without the need to adjust the leveling discs.

Similarly, the **discs** are fitted on independent tines, to ensure crop residues flow through the machine without causing blockages.

Levelling disc - Either shearbolt protected or rubber mounted discs can be specified. Both options use sealed hubs for maintenance free reliability.



REAR ROLLERS



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

This aggressive roller levels the soil without compacting it. Ideal in dry conditions, it perfectly crumbles and breaks up clods and shreds trash on the surface. Not recommended in wet and sticky conditions.



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

Ideal for cultivation on light or pre-worked soils, it consolidates without compacting the soil. Works in dry or wet conditions. The simplest and most versatile roller.



Tandem roller: 480mm Crumbler roller + 400mm notched plate roller (150kg/m)

Provides intense crumbling, even on light or already worked soils, it offers good re-consolidation without compacting the soil. The tandem works in dry or low moisture conditions.



520mm leaf spring roller (130kg/m)

Ideal for crumbling clods, mixing plant residues and medium soil reconsolidation. Suitable for all types of soil, including stony soils, thanks to its spring steel rings. Supplied with adjustable scrapers as standard.



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

Its aggressive V-shaped rings are ideal for crumbling and refining primary work whilst providing a medium soil reconsolidation. Not advised for stony soils.



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

Medium weight roller, the T profile is ideal for crumbling clods and plant residues and is suitable for light clay and loamy soils. The U-profile allows for work on stickier soils as its profile fills with soil and prevents more soil to building up thanks to the soil to soil contact. Both types are supplied with adjustable scrapers as standard.



600mm V-profile roller (200kg/m)

Optimal consolidation and crumbling capacity. Suited to medium and heavy soils. Supplied with scrapers as standard.

TRANSPORT AND DEPTH WHEELS

Precise depth control is important for any soil cultivator, especially when working shallow. A variety of side and front depth wheel options are available for the Versatill to ensure the ideal specification can be provided for the specific working requirements of each machine.



6.00x9" 10 PR

Side wheels (option): Ideal for tillage combined with a roller on 2.50 to 3.50m machine. The tyre design stays clean in wet conditions.



200/60 14.5" 10 PR

Front wheels (option): Ideal for mounted folding models. Very easy to adjust.



200/60 14.5"

Front twin wheels (option): Recommended for depth control and support on wider machines. The wheels are on both sides of the support arm to prevent side forces, important when working on slopes.



500/50 17"

Wheels are standard on the **road transport axle** of the trailed Versatill. They are fitted at the rear and are only used during transport, except in special conditions where its possible to use them to help with depth control.

OPTIONAL EXTRAS



Shearbolt or rubber protected side discs (option)



Hydraulic depth adjustment.



Reflectors and lights. Optional on mounted versions and standard on trailed ones.



Ripper body featuring Non-stop leafspring protection system and reversible plough point (available for 2 row versions).

TECHNICAL FEATURES

		Nb of rows	Folding	Working Width (m)	Transport Width (m)	Power* (HP)	Weight** (kg)	Nb of Discs	Underbeam clearance	Tine spacing	Row distance	Weight (kg/m)	
Mounted 2 Rows	VERSATILL-2-9	2	Fix	2.70	3.00 m	125	1.210	-	86 cm	30 cm	95 cm	480 mm cage roller 80 kg/m	
	VERSATILL-2-11		Fix	3.00	3 or 3.30	155	1.320	-		27.5 cm			400 mm Notched roller 80 kg/m
	VERSATILL-2-13		Fix	3.90	3.90	185	1.435	-		30 cm			540 mm Cage roller 90 kg/m
	VERSATILL-2-13 PV		2 Parts	3.90	3.00	185	2.140	-		30 cm			520 mm notched roller 90 kg/m
	VERSATILL-2-15 PV		2 Parts	4.50	3.00	210	2.255	-		30 cm			Tandem 480 mm cage + 400 mm notched roller 150 kg/m
	VERSATILL-2-17 PV		2 Parts	5.10	3.00	240	2.375	-		30 cm			«T» or «U» ring roller 520 mm 140 kg/m
	VERSATILL-2-19 PV		2 Parts	6.00	3.00	270	2.510	-		31.50 cm			520 mm spring roller 130 kg/m
Mounted 3 Rows	VERSATILL-3-8	3	Fix	2.40	2.70	115	1.380	4	86 cm	30 cm	75 cm	Roller «V» Profile 600 mm 290 kg/m	
	VERSATILL-3-10		Fix	3.00	3 or 3.30	140	1.600	6		30 cm			
	VERSATILL-3-12		Fix	3.60	3.80	170	1.820	6		30 cm			
	VERSATILL-3-13		Fix	3.90	3.90	185	1.930	8		30 cm			
	VERSATILL-3-13 PV		2 Parts	3.90	3.00	185	2.600	8		30 cm			
	VERSATILL-3-15 PV		2 Parts	4.50	3.00	210	2.980	10		30 cm			
	VERSATILL-3-17 PV		2 Parts	5.10	3.00	240	3.235	10		30 cm			
	VERSATILL-3-19 PV		2 Parts	6.00	3.00	270	3.665	12		31.50 cm			
Semi-mounted 3 Rows	VERSATILL-3-13 A	3	2 Parts	3.90	3.00	185	3.580	8	86 cm	30 cm	75 cm		
	VERSATILL-3-15 A		2 Parts	4.50	3.00	210	3.960	10		30 cm			
	VERSATILL-3-17 A		2 Parts	5.10	3.00	240	4.215	10		30 cm			
	VERSATILL-3-19 A		2 Parts	6.00	3.00	270	4.645	12		31.50 cm			

* All folding models are 2 section. Recommended power ratings are subjective and depend on the working depth, soil type, etc.

The value indicated is an average value and is given for information only. The weights indicated are calculated with the 400mm notched roller and levelling discs for the 3-row versions..



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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