



THE ALL-PURPOSE STUBBLE CULTIVATOR

VERSATILL



VERSATILL

A GREAT RANGE



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Spain is one of the main markets in Europe for vertical tillage equipment as its particular weather and soil conditions do not make it advisable, if not simply impossible, to use other techniques such as traditional tillage or direct seeding. Thus, stubble cultivators have always been around in all Spanish farms with the challenge to work in one of the most demanding conditions all over Europe.

Since many years ago, Ovlac has never stopped developing and evolving its range of vertical tillage equipment to offer it all over Europe where it has gained a reputation thanks to quality and constant innovation. In order to obtain such a position the right choice of raw materials depending on their specific use, as well as a selection of performing wearing parts is essential when developing an equipment suitable for a wide range of tasks in all kind of conditions.

Ovlac has a long experience in manufacturing large capacity stubble cultivators. We started in the early 90's with our popular leafspring Chisel, extended the range in the first years of the current century with the Fenix and finally launched the Versatill in 2010.

Now, we gather all the experience of more than 2 decades and thousands machines sold in the new generation of 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 kind of soil and condition.

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.



Wearing parts

The new Versatill being an all-purpose stubble cultivator designed to carry out a number of diverse tasks, it was key to offer a variety of wearing parts. As standard, the Versatill is equipped with 2-drill forged points with tungsten carbide tiles. On top of their durability and reduction of downtime, this carbide points guarantee keeping the optimum angle throughout their entire service life. This turns into a constant working depth as well as less fuel consumption.



Forged point 295 x 80 x 22 mm.

Heavy-duty forged point with carbide tiles. The shape of the point is kept throughout the entire lifespan thus guaranteeing its penetration capacity, a constant working depth as well as important fuel savings.



Forged point 255 x 80 x 22 mm.

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



10 mm right/left wings.

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



8 mm twisted guide boards.

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



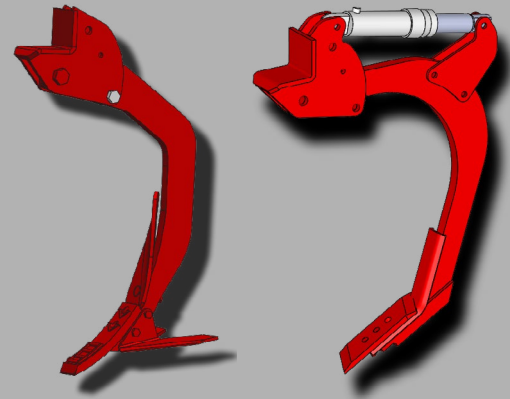
8 mm tip extension.

A low disturbance guide board which is advised for breaking up the plough pan or carrying out a decompaction work when no mixing is sought for.

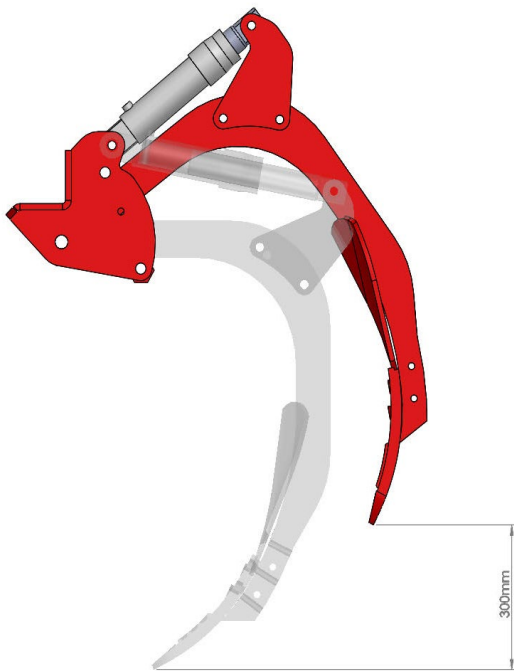
The Versatill is available with 2 possible safety systems: shearbolt or hydraulic Auto-Reset. The former is proposed for light conditions. The shearbolt thickness, grade and position are calculated so it breaks at a pressure of 2.000 kg exerted at the point. However, the most widespread system in Europe thanks to its perfect adaptation to all kind of soils and conditions, is the hydraulic Auto Reset protection with adjustable break away pressure.

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. Also, in this way excessive stress is not transferred to the chassis. On the opposite, in case of heavy soil, strong pressure will keep the tines at the optimum angle thus maintaining a constant working depth.

The 86 cm under-beam clearance, 73 cm row spacing (95 cm in 2-row versions) and 30 cm tine spacing provide the Versatill with a large working capacity at working depths of up to 40 cm.



The advantages of the Ovlac Hydraulic Auto Reset System

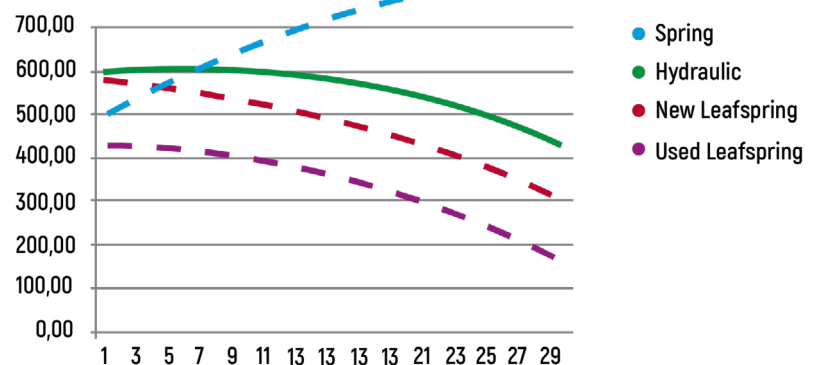


The possibility of varying the trip pressure depending on soil conditions allows to keep the tines in their optimum working angle. This results into a series of advantages:

- Constant working depth and, therefore, a proper tillage work.

- Fuel savings of up to 30%
- Significant reduction of wear as bodies are working in their right angle.

Trigger Pressure

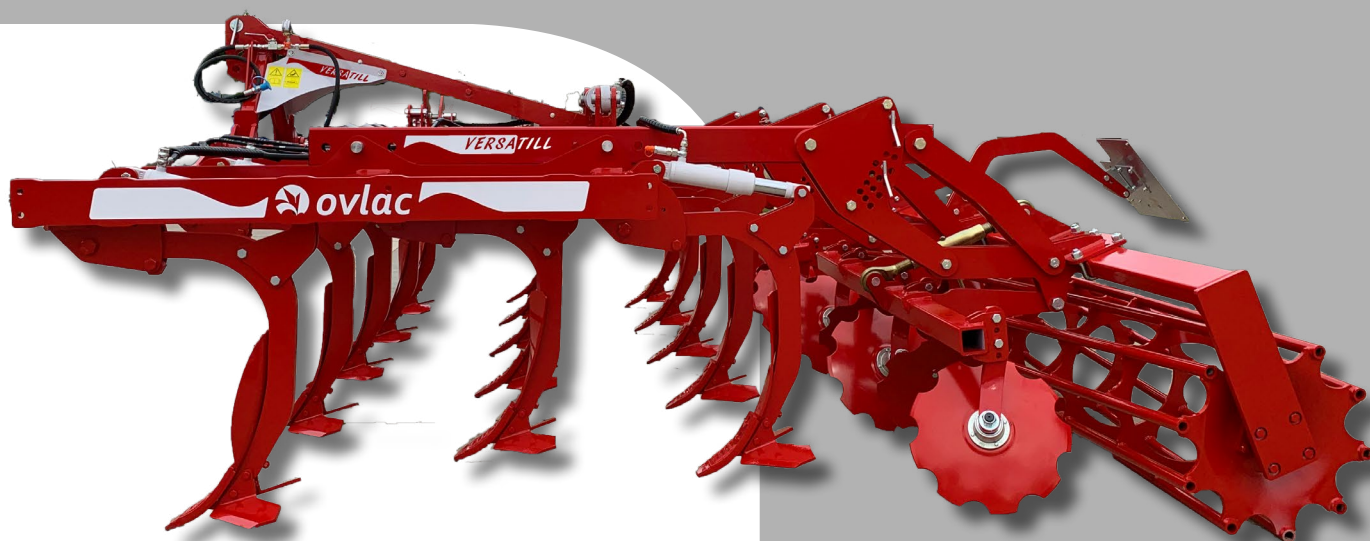


This chart shows how different security systems behave:

- The blue curve represents a traditional coil spring system. This type of security often starts from a relatively low trip pressure which then increases rapidly as the tine trips up. That delivers excessive stress being transferred on 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 up, 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 up too easily and may not be able to get back to its right working position.
- The green curve shows the Ovlac hydraulic Auto Reset system. The initial trip pressure is set at the factory at 600 kg and then decreases as the tine trips up thanks to a well studied geometry of the turning points. On top, this curve can be moved up or down in parallel as required depending on soil conditions by adjusting the breakaway pressure accordingly.

VERSATILL

Mounted range



Features

- 2 rows of tines with 95 cm beam spacing between or
- 3 rows of tines with a 73 cm beam spacing.
- 86 cm under beam clearance.
- 30 cm tine spacing.
- Variable trip pressure (600 kg at 120 bar).
- Wide range of rear accessories (see "Accessories" pages).

A mounted range for medium and high power tractors

The new Versatill is capable of working in all kinds of soils and from 15 up to 40 cm deep. It can, therefore, carry out all types of work: from shallow stubble cultivation in the summer, to deep pan cracking or seedbed preparation for mulch seeding.

On developing the new generation of mounted Versatill it was, thus, essential to design a sturdy structure which could stand deep work on heavy clay soil as well as vibrations when working in stony conditions or transport on bumpy roads. Result: the mounted Versatill is available in versions from 2,40 to 6 m suitable for tractors from 100 up to 300 hp.

First, the tines break up and crumble the soil and, thanks to the guideboards, they intensely mix it with the straw on the surface. Second, the levelling discs or springs provide an even base for the roller at the rear finally gets a perfect finish.





After the passage of the tines which crumble the soil and thanks to the deflectors, the mixture of soil and straw is homogeneous, with the passage of the blades or levelling discs it is evenly distributed on the ground. The choice of roller will allow the soil to be compacted to a greater or lesser extent in order to maintain humidity and encourage seed hatching.

VERSATILL-A

Trailed Range



Features

- 4.00 to 6.00 metres of working width
- 2 or 3 rows of tines
- 86 cm under beam clearance.
- Tine Spacing 30 cm.
- Variable trip pressure. (600 kg at 120 bar)
- Articulated draw bar.
- Rear wheel axle with damper and road signs
- Wide range of rear accessories (see "Accessories" pages).
- European homologation.

For large farms!

The semi-mounted range has the same main features as the mounted one. The articulated draw provides weight transfer for better traction during work and on the road as well as a simple and precise depth control.

The rear wheel axle offers great stability thanks to its 3 m width and the standard 500/50 17" wheels. On top, the Versatill-A is equipped with hydraulic suspension for a greater comfort when driving on the road.

In addition to the broad range of options and accessories from the mounted range, the Versatill-A can also fit different front wheels for a more accurate depth control as well as to avoid side oscillations in uneven fields.





With only one pass, the ground is perfectly levelled and the straw is evenly distributed throughout the worked profile.

VERSATILL

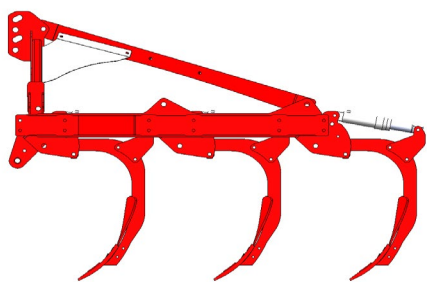
Accessories

38 combinations

The choice of a combination of accessories is specific to each soil and cultivation technique.

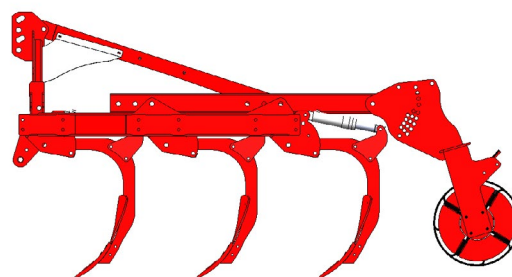
To that end, OVLAC offers a range of accessories that can be combined leaving from a bare machine and that can be supplied at any time, even if the machine is produced with a different tool. The Versatill will continue to evolve according to your future needs. With a choice of 8 rollers and levelling elements, up to 38 combinations are possible.

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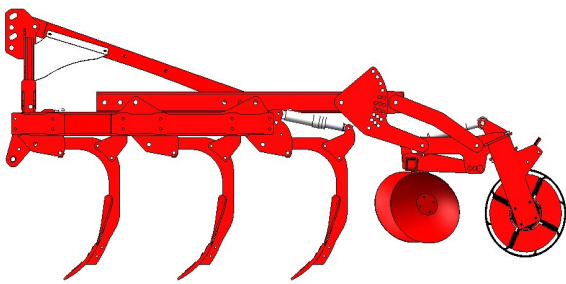
BARE MACHINE (2 and 3 rows)

When used as a ripper for pan cracking or decompaction, it is a simple tool and ideal to be equipped with a pair of wheels for a simple and effective depth control



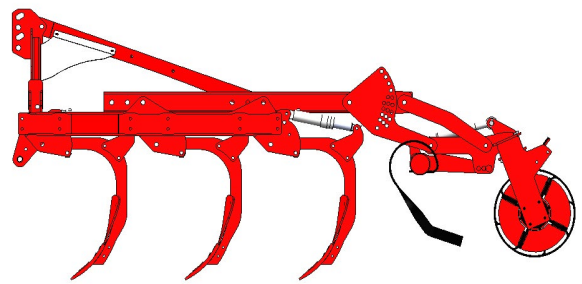
MACHINE (2 and 3 rows) + ROLLER

In addition to depth control, the roller is ideal for a good tillage and/or reconsolidation of the soil. There is a range of rollers available for clod crumbling or different degrees of reconsolidation. The position of the roller is adjusted easily and with no need for any tools.



MACHINE (3 rows only) + DISCS + ROLLER

The combination of the advantages of the roller and the levelling quality of the discs results in an evenly levelled ground and a homogeneous distribution of soil and straw..



MACHINE (3 rows only) + SPRINGS + ROLLER

The levelling springs provide versatility and a lighter solution than discs to achieve a well levelled finish before the roller, even in stony conditions.

VERSATILL

Accessories



Levelling attachments for the 3-row version

Levelling is essential for the roller to find an even surface to re-consolidate. This way, the Versatill ensures a homogeneous distribution of the stubble on the worked soil profile. Both the discs or the levelling springs of the Versatill are mounted on a parallelogram system so that once their position is set with the central turnbuckle, the working depth can be changed with no need to adjust them again.

The discs : with shearbolt protection for non stony soils, or with stone protection for more demanding conditions (optional), discs are a versatile system that levels while crumbling and mixing the soil. The hubs are sealed and 100% maintenance-free.

The levelling springs: a lighter solution than discs, the levelling springs provide a good levelling and fine crumbling in light soils thanks to their vibration. Also, their flexibility allows them to manage high volumes of trash without clogging.



The wheels

A precise depth control is key, specially when working shallow. Front or side wheels are a good helping hand here and the Versatill counts on a broad range of them so we can always find the right choice according to the rear accessories and soil conditions.

1 6.00x9" 10 PR side wheels (option): ideal for tillage combined with a roller in the 2.50 to 3.50 m range. The tyre design provides good resistance to clogging in wet conditions.

2 200/60 14.5" 10 PR front wheels (option): Ideal for foldable mounted models. Very easy to adjust.

3 Front twin wheels 200/60 14.5" (option): these twin wheels are recommended for wider machines in combination with a roller. They are recommended in sandy or wet soils where a large surface area is needed. As the wheels are on both sides of the arm, side forces are compensated, specially when working on slopes.

4 500/50 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 it is possible to lower them in order to help keep depth control.



6.00 x 9" PR



200/60 14.5 10 PR



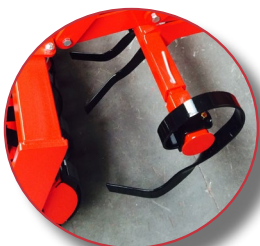
200/60 14.5 10 PR
Twins



500/50 17"



Other accessories



Side levelling spring (option).



Shearbolt or Stone
protection side discs
(optional)



Hydraulic depth adjustment
(2 double-acting cylinders
per roller).



Road signs and lights.
Optional on mounted
versions and standard
on trailed ones.



Non Stop Leafspring
security system
available for 2 rows
versions



400 or 520 mm notched-plate roller (80/90 kg/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, specially the 400 mm diameter version, in wet and sticky conditions.

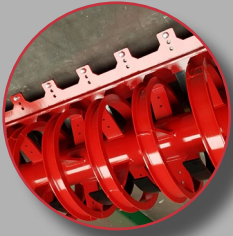


480 or 540 mm bar roller (80/90 kg/m): Ideal for tillage, even on light or already worked soils, it performs good soil conditioning without compacting the soil. Works in dry or wet conditions. The simplest and most versatile roller.



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

Provides an intense crumbling, even on light or already worked soils, it offers good soil reconsolidation without compacting the soil. It works in dry or low humidity conditions.



520 mm T or U ring roller (140 kg/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 more sticky soils as its profile fills with soil and prevents more soil to get stuck thanks to the soil-soil contact. Both types are supplied with adjustable intermediate scrapers as standard.



520 mm leaf spring roller (130 kg/m): Ideal for crumbling clods and mixing plant residues, it carries out a medium soil reconsolidation. Suitable for all types of soil, including stony soils, thanks to its spring steel rings. Supplied with adjustable intermediate scrapers as standard.



600 mm Double Disc V-profile roller (290 kg/m): High reconsolidation as well as crumbling capacity. It best suits for medium to heavy soils. Supplied with intermediate scrapers as standard.



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
Mounted 2 Rows	VERSATILL-2-9	2	Fix	2.70	3.00 m	125	1.210	-	86 cm	30 cm	95 cm
	VERSATILL-2-11		Fix	3.00	3 or 3.30	155	1.320	-		27.5 cm	
	VERSATILL-2-13		Fix	3.90	3.90	185	1.435	-		30 cm	
	VERSATILL-2-13 PV		2 Parts	3.90	3.00	185	2.140	-		30 cm	
	VERSATILL-2-15 PV		2 Parts	4.50	3.00	210	2.255	-		30 cm	
	VERSATILL-2-17 PV		2 Parts	5.10	3.00	240	2.375	-		30 cm	
	VERSATILL-2-19 PV		2 Parts	6.00	3.00	270	2.510	-		31.50 cm	
Mounted 3 Rows	VERSATILL-3-8	3	Fix	2.40	2.70	115	1.380	4	86 cm	30 cm	75 cm
	VERSATILL-3-10		Fix	3.00	3 or 3.30	140	1.730	6		30 cm	
	VERSATILL-3-12		Fix	3.60	3.80	170	2.085	6		30 cm	
	VERSATILL-3-13		Fix	3.90	3.90	185	2.290	8		30 cm	
	VERSATILL-3-13 PV		2 Parts	3.90	3.00	185	2.485	8		30 cm	
	VERSATILL-3-15 PV		2 Parts	4.50	3.00	210	2.860	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	3.485	8	86 cm	30 cm	75 cm
	VERSATILL-3-15 A		2 Parts	4.50	3.00	210	3.860	10		30 cm	
	VERSATILL-3-17 A		2 Parts	5.10	3.00	240	4.235	10		30 cm	
	VERSATILL-3-19 A		2 Parts	6.00	3.00	270	4.665	12		31.50 cm	

*The recommended power ratings are subjective and depend on the set 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 400 mm roller.

	Weight (kg/m)
Roller	480 mm cage roller
	400 mm Notched roller
	540 mm Cage roller
	520 mm notched roller
	Tandem 480 mm cage + 400 mm notched roller
	«T» or «U» ring roller 520 mm
	520 mm spring roller
	Roller «V» Profile 600 mm

To calculate the weight of the machine with the roller of your choice, deduct the weight of the standard roller (multiplied by the number of metres) and add the weight of the selected roller using the table opposite (also multiplied by the number of metres).



A SOLUTION FOR EACH TERRAIN



Ploughs



Semi-mounted Ploughs



Shallow Ploughs



Xlander



Maxidisc



Eurodisc



Minichisel Vineyard



Reptill

The information in this price list is given as an indication and is subject to change without notice.



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