



Let's  
innovate  
tradition

GRAPES AND VINEYARD

# Quality air is blowing for your production



**Innovative  
and patented  
technology**

Tested by the most demanding and prestigious wine companies. Patented from the start

**Improves and  
guarantees the quality  
of productions**

It frees the bunches by providing light and air even in the least favourable conditions

**Economical in  
consumption and  
ready on time**

Small, handy, powerful, high performance, low and competitive consumption

# Grapes and Vineyard Line

Our machinery is specifically designed for vineyard defoliation and developed in direct collaboration with winemakers, to meet all functional and economic needs. Thanks to our **patented system** we guarantee superior effectiveness with lower fuel consumption, furthermore the slim structure of the frame makes ML machines lighter and easier to handle.

- ✓ Specific for vineyards and can be used on every variety
- ✓ Maximum precision with minimum aggression
- ✓ Extremely economical, configurable and customizable
- ✓ Suitable for all systems: espalier, pergola, tent
- ✓ Independent hydraulic system or with hoses to the tractor
- ✓ Thinning of the bunch during flowering and cleaning after
- ✓ Fewer treatments, thanks to the bunches exposed to light



## ML VS 10 – Basic single

It is **the simplest** and most accessible of the ML range: with a light and intuitive frame it can be used in all situations with any tractor. Main use on espalier on the plains and in the mountains.



## ML VDS 10 – Double straddling

Suitable for those looking for a **compact** straddling machine, suitable for espalier with high performance and low consumption. The two heads opposed to each other and the solid frame with lightweight construction guarantee safe and intuitive high-performance use.

**ALL MODELS CAN BE SUPPLIED JOINED OR SEPARATED**



## ML VPT 20 – Tent pergola

For those who want to save twice. **Powerful**, compact, versatile; lower consumption does not require the purchase of a more powerful tractor. The hydraulic adjustments combined with the 4-disc head make it suitable for any system.



## ML VS 20 – Single top

**Versatile and complete**, it can be used on espaliers, pergolas or tents both on the plains and in the mountains. The hydraulic movements of the trolley, column, central fulcrum and arm allow the movement of the working head on both sides as well as above.



## ML VDB 10 – Bilateral machine

In line for those looking for a compact bilateral machine, suitable for espalier with **low consumption** and high performance. The excellent visibility combined with the power of the compressor allows you to obtain very important hourly yields.

**Joined:** compressor and head on the back of the tractor.  
**Separated:** compressor on the back and head on the front.

# Technical sheets

Characteristics	VS 10	VS 20	VPT 20	VDS 10	VDB 10
	SINGLE BASIC	SINGLE TOP	TENT PERGOLA	DOUBLE STRADDLING	DOUBLE BILATERAL
WORKING PRESSURE	0,4 - 0,9 bar	0,4 0,9 bar	0,4 0,9 bar	0,4 0,9 bar	0,4 0,9 bar
PULSES PER MINUTE	300 - 600	300 - 600	300 - 600	300 - 600	300 - 600
REQUIRED TRACTOR POWER	40 hp	40 hp	65 hp	65 hp	65 hp
COMPRESSOR CAPACITY	600 m <sup>3</sup> h	600 m <sup>3</sup> h	1200 m <sup>3</sup> h	1200 m <sup>3</sup> h	1200 m <sup>3</sup> h
MINI HYDRAULIC SYSTEM CAPACITY	18 litres min	18 litres min	20 litres min	20 litres min	20 litres min
SPEED	2,5 - 6 kmh	2,5 - 6 kmh	2,5 - 6 kmh	2,5 - 5 kmh	2,5 - 6 kmh
NUMBER OF HEADS	1	1	1 divided into 2 parts	2	2
DISKS PER HEAD	2	2	4	2	2
HEAD WIDTH	750 mm	750 mm	1600	750 mm	750 mm
FRAME WIDTH	1005 mm	1005 mm	1180	1180 mm	1180 mm
HYDRAULIC MOVEMENTS	3	5	7	5	4
MAIN COLUMN TRAVEL	500 mm	500 mm	500 mm	800 mm	800 mm
MAIN COLUMN TILT	no	+ - 30°	+ - 30°	+ - 30°	+ - 30°
SECOND PORTION NODE	+ - 30°	350° fifth wheel	350° fifth wheel	+ - 30°	no
SECOND ARM EXTENSION	600 mm	600 mm	600 mm	600 mm	2 X 600mm
HEAD DISTANCE ADJUSTMENT	-	-	-	500 mm	-
HEAD ADJUSTMENT CYLINDERS	-	-	2	-	-
ADDITIONAL HYDRAULIC VALVES	-	-	3	-	-

## Optional

JOYSTICK WITH INDEPENDENT SYSTEM	X	X	X	X	X
OIL COOLER	X	X	X	X	X
ROTOR TACHOMETER	X	X	X	X	X
TILTING COLUMN	X				
DIFFERENT LENGTH COLUMN	X	X	X		X
DIFFERENT LENGTH ARM	X	X	X		
HEAD WITH 3 DISKS AND 3 "BROKEN" DISKS	X	X			X
HEAD WITH 2 LARGE DISKS (900MM)	X	X	X	X	X
STORAGE TROLLEY	X	X	X	X	x
HEAD FRONT APPLICATION	X		X	X	x
USE ON APPLE ORCHARD	X	X	X		X



**+ QUALITY - TREATMENTS + SPEED - CONSUMPTION - INFECTIONS - LABOUR**

# Six reasons to choose ML machines

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## 01 The most precise and least aggressive

The intermittent air flow delivered by the rotating discs of the head allows the selective removal of the leaves, without causing damage to the bunch.

## 04 Easier and more manageable

The slim structure, reduced weight and low frame have been designed to guarantee the best visibility and handling.

## 02 Low consumption, high performance

Our **patented system** guarantees greater effectiveness with lower fuel consumption than the competition.

## 05 A tailor-made line dedicated to grapes

Developed specifically for the winemaker. The patented system uses lower powers, acting effectively on all varieties from pre-flowering to harvest.

## 03 Two families, many assets

Two families of frames and many assets developed to meet every need. Designed and developed in direct collaboration with winemakers.

## 06 Specific for pergolas, espaliers and tents

Frame and heads are specially developed so that the adjustments allow precise processing on every type of system.

## Benefits

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### Improves quality

It allows the optimal development of the fruit, even in less easy years, so that every year is "an excellent year".



### Safeguards the bunch

It does not damage the bunch: the **patented system** allows greater effectiveness, without contact, with less aggression.



### Improves ventilation

It improves the ventilation of the bunches, avoiding the stagnation of humidity which causes typical diseases: downy mildew, powdery mildew, botrytis.



### Bunch thinning

It is possible to intervene already before flowering to carry out mechanical thinning on varieties with compact bunches.



### Bunch cleaning

It allows the removal of floral residue and all impurities on the bunches present in the post-flowering period.



### Facilitates harvesting

Facilitates and accelerates manual harvesting. Guarantees a cleaner harvest in mechanical harvesting.

Do you want more information on our defoliators?

Let's keep in touch.

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