



Let's
innovate
tradition

APPLES

Follow your instinct.
Take our path.
Lead the way.



Innovative
and patented
technology

Tested by the most demanding and
prestigious companies, patented from the start

Improves and
guarantees the
quality of productions

Removes the leaves, exposes the product
ensuring colour and homogeneity

Economical in
consumption
and ready on time

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

Apple Line

The machines of the VM line are specifically designed for orchard defoliation and developed in direct collaboration with producers, to meet their functional and economic needs. The **patented system** guarantees superior effectiveness with lower power and fuel consumption. The compact compressor group and the slim head frame make ML machines light, easy to handle and easy to use.

- ✓ Specific for orchards, usable on every variety
- ✓ Maximum precision with minimum aggression
- ✓ Extremely economical in consumption
- ✓ Also suitable for non-clipped plants
- ✓ Configurable and customizable
- ✓ Independent hydraulic system or with hoses to the tractor
- ✓ Greater colour and greater economic yield
- ✓ Uniformity in production; fewer "breaks"
- ✓ More visible product; greater speed in harvesting



ML MS 10 – 4 1,6 discs

The **classic** model! Powerful, compact, light, easy: with 75-80 horsepower tractors it guarantees low consumption and high yields. The 1.6 m two-piece head and 5 hydraulic movements guarantee precision and effectiveness on both sides of each system.



ML MS 20 – 4 1,9 discs

For those who want **more surface**! With the same characteristics as the classic model but with the 1900 mm plate. It allows you to work a wider range, using the same power and the same intuitive general setting as the ML MS 10 model.



ML MS 5 10 – 5 2,05 discs

The 2050 mm plate divided into 3 sections guarantees **more powerful** and precise processing. The assembly houses a larger compressor that requires 85-90 hp while maintaining the dimensional and adjustment characteristics of the smaller models.



ML MS 5 20 – 5 2,4 discs

Even **more dimension**! The 2400 mm head meets the needs of those who want to operate on very tall systems or need to cover the entire surface. Maintaining the compactness, power, dimensions and adjustments of the ML MS 5 10 model.



ML MD 20 – Double 1,9

Two sides one pass! The **solution** for the **most demanding companies**! The frame with 8 hydraulic movements guarantees precise adjustments on both sides to the **2 large 2-section heads**. The generous compressor guarantees all the necessary air already with 95 hp.

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

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

Technical sheets

Characteristics	MS 10 4 1,6 DISCS	MS 20 4 1,9 DISCS	MS 5 10 5 2,05 DISCS	MS 5 20 5 2,4 DISCS	MD 20 DOUBLE 1,9
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	75 hp	75 hp	85 hp	85 hp	95 hp
COMPRESSOR CAPACITY	1400 m³h	1400 m³h	1750 m³h	1750 m³h	2400 m³h
MIN. CAPACITY HYDRAULIC SYSTEM	25-30 litres min	25-30 litres min	25-30 litres min	25-30 litres min	25-30 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 div. into 2 parts	1 div. into 2 parts	1 div. into 3 parts	1 div. into 3 parts	2 div. into 2 parts
DISKS PER HEAD	4	4	5	5	4
HEAD HEIGHT	1600 mm	1900 mm	2050 mm	2400 mm	1900 mm
FRAME WIDTH	1180 mm	1180 mm	1180	1180 mm	980 mm
FRAME LENGTH	640 mm	640 mm	640 mm	640 mm	990 mm
HYDRAULIC MOVEMENTS	5	5	5	5	8
MAIN COLUMN TRAVEL	800 mm	800 mm	800 mm	800 mm	800 mm
MAIN COLUMN TILT	Optional	Optional	Optional	Optional	+ - 15°
SECOND PORTION NODE	350° fifth wheel	350° fifth wheel	350° fifth wheel	350° fifth wheel	no
SECOND ARM EXTENSION	700 mm	700 mm	700 mm	700 mm	2 X 700mm

Optional

JOYSTICK WITH INDEPENDENT SYSTEM	X	X	X	X	X
6-WAY ELECTRIC VALVE	X	X	X	X	X
OIL COOLER	X	X	X	X	X
ROTOR TACHOMETER	X	X	X	X	X
TILTING COLUMN	X	X	X	X	Standard
DIFFERENT LENGTH COLUMN	X	X	X	X	X
STORAGE TROLLEY	X	X	X	X	Standard
HEAD FRONT APPLICATION	X	X	X	X	Standard
VINEYARD HEAD	X	X	X	X	
SILENCER	X	X	X	X	Standard

Six reasons to choose ML machines

- 01

More precise and less 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 apple.
- 02

Low consumption, high performance

Our **patented system** guarantees greater effectiveness with less tractor fatigue and lower fuel consumption.
- 03

Two families, many assets

Two families of frames and many assets developed to meet every need. Designed and developed in direct collaboration with fruit growers.
- 04

Easier and more manageable

The reduced dimensions and weight, lowered frame, slim structure and movements of the mast guarantee the best visibility and handling.
- 05

A tailor-made line dedicated to the apple

Tailor-made for the orchard. The patented system with low pressure dispensing guarantees uniformity in production even in the least favourable situations.
- 06

Specific for every need

The modular construction allows you to customize, obtaining the right machine for large extensions as well as for mountain orchards.

Benefits



Improves quality

The selective removal of the leaves exposes the apples to light, favouring their colour. The hydraulic adjustments, especially those of the "split" head, allow precise positioning, increasing effectiveness especially in the base areas, which are usually less exposed.



Guaranteed result

It allows you to program the colour even in less favourable years, so that every year can be defined as "an excellent year".



Safeguards the apple

It does not damage the fruit thanks to the absence of contact between the machine and the crops. Our patented system with greater flow at lower pressure allows you to operate while maintaining the right distance, thus avoiding losses due to detachment during processing and waste from bruising.



Facilitates harvesting

The uniformity of the fruit allows fewer passages for "separate" harvesting, the rows "cleaned" of the foliage increase the harvesting speed.

Do you want
more information
on our defoliators?

Let's keep in touch.

Mirco de Giovanelli
Owner/Legal Representative
(+39) 349 75 52 471
export@mlmacchine.com



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ML Macchine SRL
mlmacchine.com

(+39) 349 75 52 471

Via Sottoportico Cembran 1,
38034 Cembra Lisignago (TN)

info@mlmacchine.com