

# **MASCHIO**



## MODERN STUBBLE CULTIVATION

### TODAY RESIDUES MANAGEMENT HAS THREE MAIN FUNCTIONS:

- **Straw incorporation**

Residues mixing on top soil at 2" - 5" depth promotes residues decomposition and nutrients release. While conventional discs just size residues, VELOCE chops, pulverizes and incorporates them at shallow depth.

- **Soil structure restoring and field conditioning**

In relation to conventional discs VELOCE preserves soil structure without aggressive soil movement and compaction. It also increases organic matter content in superficial soil layers, creating an ideal environment for soil bacteria. This tillage operation covers 60% of residues while 40% are left on the top preventing from erosion and improving water retention.

- **Weed control**

To achieve maximum yield potential, it is necessary to get rid of weed competition, VELOCE does a great job reducing it.



# MASCHIO - VELOCE

## A COMPLETE RANGE OF SPEED DISC

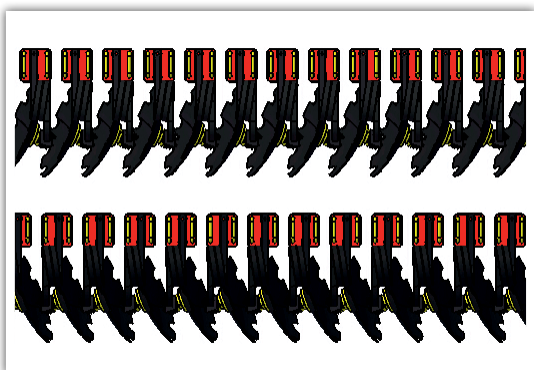
MASCHIO offers a full range of rigid and folding units. VELOCE mixes soil and residues at depths up to 5". The 20" discs with their inclination and concavity allow to get the depth and to throw much more dirt than conventional tillers. VELOCE can replace a conventional disc, field cultivator and rolling straw chopper all at once.



**FRAME SIZE 4 X 4 IN.**



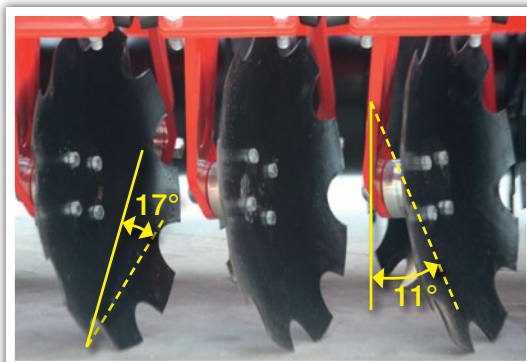
## PERFECTLY DESIGNED DOWN TO THE LAST DETAIL!



### Extreme precision

The perfect overlapping between front and rear gangs allows consistent soil mixing with no side drift.

The clearance frame (22") and the narrow distance between gangs (25") improve stubble incorporation with low fuel consumption.



### Aggressive inclination

The 17° disc angle ensures a continuous flow of soil and residues from front to rear gang avoiding bulldozing and clogging.



### Large and concave

**VELOCE** hard tensile boron steel discs have a diameter of 20" with a 1/5" thickness. The discs ensure an extremely effective mixing of soil and crop residues even the toughest ones. Working time is shorter also with large amounts of trash.



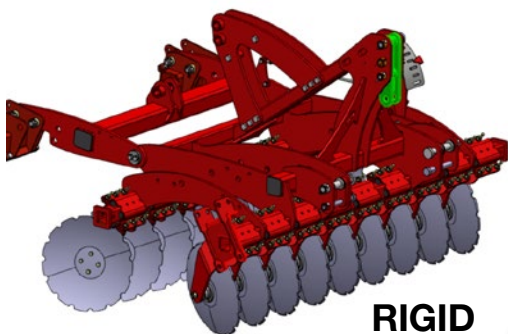
### Side retaining discs

Front and rear gang easily adjustable retaining discs control flow of material to avoid curb effect and side furrowing for a perfect and leveled finish.

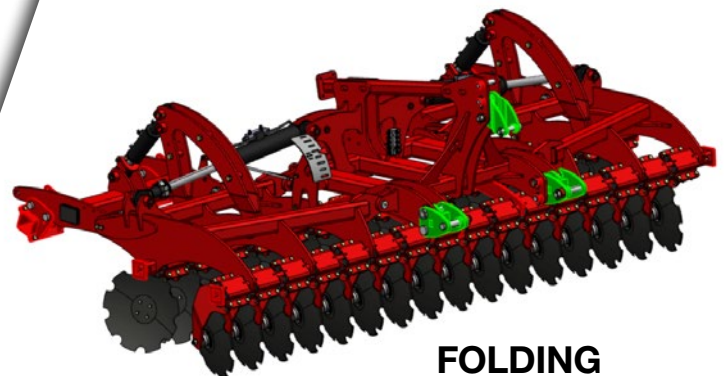


### Quick matching!

The three point high adaptor for tractors with quick hitch frame is available as an option for easy and safe hook-up.

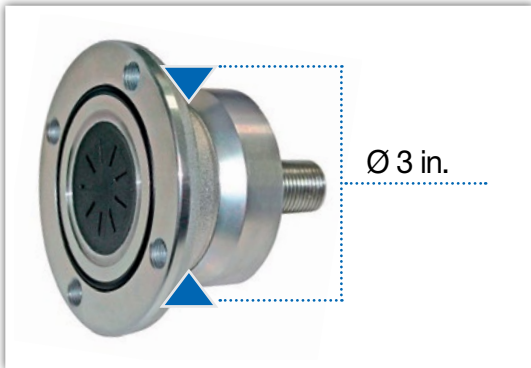


**RIGID**



**FOLDING**

## LONG LASTING PERFORMANCE MAINTENANCE FREE!



### Agrihub

VELOCE disc hubs are fitted with special 2-rows angular contact bearings. The sealed hub external screwed cap and the water proof sealing system ensure total protection against dust, dirt and moisture. The hub is designed to enhance performance and it is maintenance free: no need to pump grease!



### Individual discs

Each disc is individually suspended on frame by SILENT BLOCK shock absorbers to prevent from damages when hitting against obstacles. The four large dimension rubber torsion rollers are maintenance free and make the discs follow ground contours on all working conditions, even on very uneven ground surface. They allow to work and fill up tracks ensuring consistent tillage depth all across working width.



### Optional hydraulic adjustment

The hydraulic roller adjustment improves operator comfort and enable on the go adjustment of the working depth. The gauge indicator gives instant information of the working depth setting.



### Simple adjustments

The rear roller stabilizes the machine during working and sets working depth. Working depth pin adjustment is easily accessible from rear gang.



# ONE PASS COMBINATION

## COVER CROP SEEDING

The B-DRILL option can be mounted on FIX and FOLDING mounted versions of VELOCE. The air drill with broadcast seed distribution is ideal for cover crop and grain seeding.

The seeding metering unit can be equipped with two different dosing rollers for small and large seeds (peas, beans,...). The 53 Gallons (5.7 bu.) hopper comes with 8 outlets and the 132 Gallons (14 bu.) with 16 outlets. A platform and steps makes easy the seed hopper loading process. A control box comes as standard and enable seed rate adjustment and easy calibration.

The transmission is electric for the 8 outlets and hydraulic for the 16. To distribute seeds proportional to the tractor speed the control box can be connected with the tractor system though a 7-pin cable (this option is not available for John Deere tractors), a radar or a GPS antenna are also available.



# VELOCE

## RIGID FRAME

### COMPACT AND STURDY

The VELOCE mounted version goes from 6' to 13'. The extremely sturdy 4"x 4" frame and headstock fitted with high tensile steel third point allow to equip the unit with the heaviest finishing rollers and mount rear attachments as drills. VELOCE mounted version a requires a lower lifting capacity reducing HP requirement (from 65 to 150 HP).





# FOLDING FRAME

## THE PERFECT CHOICE FOR LARGE FARMS

Folding VELOCE can be mounted or pull type, with hydraulic folding frame and working widths from 13' to 23'. The pull type design takes the load off tractor insuring safe transport with a narrow 10' transport width. The rear cart is fitted with large wheels 500/45 22.5 positioned between discs and rear roller. Frame folding/unfolding, wheels lifting/lowering down are all hydraulically operated from tractor cab. Semi-mounted version is fitted with an heavy duty two point hitch (3° ISO) which makes hook-up easy and gives great maneuverability on field. Drawbar option is available as well.



## THE RIGHT FINISHING ROLLER FOR YOUR CONDITIONS

### DIFFERENT ROLLERS FOR PERFECT TILLAGE



#### **Cage roller** (ext. Ø 18")

It is used on loamy dry soils and in not excessively wet conditions. It guarantees an excellent preparation of the seed bed in normal condition soils. The height adjustment is made through a very simple pin system.



#### **Packer roller**

Used above all for autumn work, on damp ground, to further break up the soil and clods on the surface and ensure optimal surface compacting for sowing. Roller cleaning is achieved with a roller scraping device, using metal or tungsten-coated scrapers.



#### **U roller** (ext. Ø 22")

Is used particularly for autumn tillage of wet soils, to break up further surface clods and to ensure optimum soil compaction of soil. The U rings can pick some mud but don't get stuck.



#### **Ring packer roller** (ext. Ø 23" <sup>3</sup>/<sub>4</sub>")

The ring packer roller has an aggressive profile that crushes clods and sub-consolidates the soil. The "V" profile of each ring does an effective deep soil pressure keeping the surface soft. The heavy duty scraper bar enables to work in any soil condition including sticky-wet clay.

# ORCHARD APPLICATIONS











The rigid model can match a wide roller with special deflectors that ensure the maximum soil leveling ideal for almonds and nuts cultivations.

A smooth roller is also available, it ensure a perfect leveling of the surface that simplifies the harvesting operation.



# MASCHIO

RIGID VELOCE			(1)	(2)				
	kW	HP	ft	ft	n°	Ø in	in	lbs
200	48-55	65-75	6	6.5	14	18	0-4	2340 *
250	59-66	80-90	8	8	20	20	0-4	3265 *
300	73-80	100-110	10	10	40	24	0-4	3670 *
350	88-95	120-130	11	11	20	28	0-4	4045 *
400	102-110	140-150	13	13	40	32	0-4	4420 *

FOLDING VELOCE			(1)	(2)				
	kW	HP	ft	ft	n°	Ø in	in	lbs
400 M	88-118	120-160	13	10	32	20	0-4	5930 *
500 M	110-147	150-200	16	10	40	20	0-4	6760 *
600 M	132-176	180-240	20	10	48	20	0-4	7455 *
500 SM	118-160	160-220	16	10	40	20	0-4	11805 **
600 SM	147-190	200-260	20	10	48	20	0-4	12965 **
700 SM	176-236	240-320	23	10	56	20	0-4	13340 **

(1) Working width / (2) Transport width / \* with Cage roller / \*\* with Double U roller roller

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