

# **MASCHIO**



# DRACULA

## EXCEED EXPECTATIONS

The DRACULA cultivator from MASCHIO combines industry-leading know-how, agronomic advantages and durability. Thanks to the combination of front discs, tines, levelers and rear roller, the DRACULA provides crop residue management, soil aeration, leveling and seedbed preparation in one cost-effective pass. By choosing this cultivator, you can perform both shallow and deep tillage operations (from 2" up to 12"). As a soil caretaker, the DRACULA creates optimal field conditions for more yield potential and more profit!



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## **The DRACULA's concept**

- Superb chopping and intense mixing
- Long lasting maintenance free performance
- Auto-reset tines
- Soil leveling and sub-consolidation
- Quick attaching



“It incorporates manure better than anything else.”

“You can adjust discs and shanks depth very easily with the hydraulic settings.”

“The rear roller does a wonderful job in breaking big clods and reconsolidating the soil to keep the moisture in the ground.”

“It does a great job, excellent for potato farming, the right depth of chiseling and the front discs incorporate heavy residues very well.”

# DRACULA

## THE DRACULA'S CONCEPT

### **Cut and mix**

The front double disc gangs size residue, dislodge roots and get the residues in contact with the soil for faster decomposition. The working depth of the discs can be adjusted hydraulically on the go.

As the soil and residue are mixed, oxygen enters the tilled zone and in cooler soils the action also warms the seed zone for rapid emergence of the seed.

### **Loosening**

The cultivator section of the DRACULA consists of three rows of shanks designed to break up compacted layers, promote aeration, limit erosion and runoff, and improve water infiltration which helps the soil to retain moisture. Shank inclination has been designed to allow for better penetration even in the toughest soil while the high frame clearance guarantees perfect residues and soil flow.

### **Levelling**

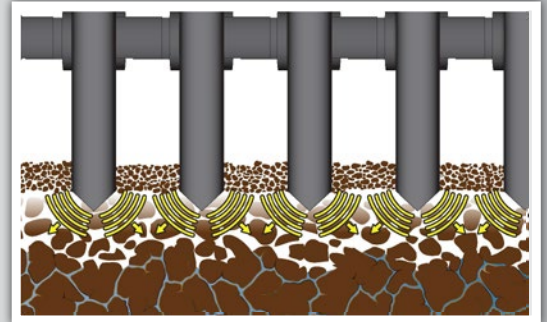
The disc levellers on the DRACULA eliminate any ridges left by the rear row of shanks. The leveling discs are dampened by a silent block system that guarantees a constant working depth even on uneven surfaces.



### **Consolidation**

The final tillage zone of the DRACULA is carried out by the rear ring roller that reconsolidates and firms the seedbed.

An optimal reconsolidation is a key factor for weed management by achieving quick seed emergence, so that they can be controlled mechanically or chemically. It is also good to preserve soil moisture. Consolidating the soil/residue mix helps bacteria break down residue. The consolidated surface also produces an ideal seedbed, prevents erosion and creates a capillary effect to preserve moisture.



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## SUPERB CHOPPING & INTENSE MIXING

### **Disc diameter and concavity**

The DRACULA's notched discs have a wide diameter (24"). They are made in high tensile boron steel and have a soil contact which is four times wider than the smaller diameter discs. The discs' concavity ensures better soil-residue mixing even in the presence of very high density residue, and superb tough stalk management.

### **Perfect cutting angle**

The 22° cutting angle, the disc shape and spacing ensure an optimal cutting quality even in the toughest working conditions.

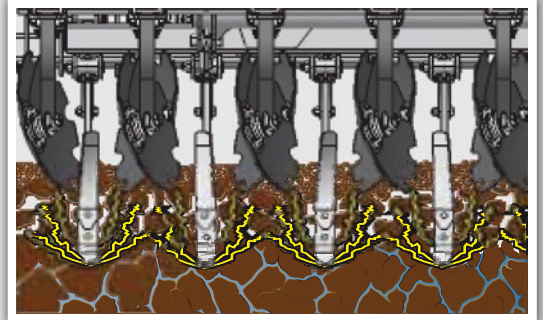
### **Adjustable side containing discs**

The multiple and easy adjustments of side discs guarantee a leveled and uniform seedbed in every soil and residue condition. The seedbed will be extremely flat and even with no ridges or furrows among passes.



### Cross System

The perfect overlapping of large diameter discs and shanks guarantees an extremely consistent tillage across the working width. The high clearance (28") and the disc placement make the DRACULA the most aggressive residue-sizing and mixing option available on the market.



# DRACULA

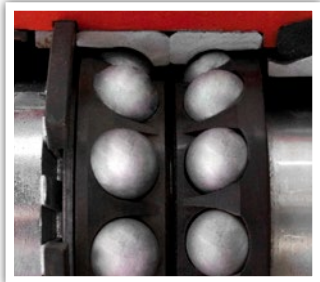
## LONG LASTING PERFORMANCE MAINTENANCE FREE

**CULTIHUB UNIT: 5-YEAR WARRANTY!**



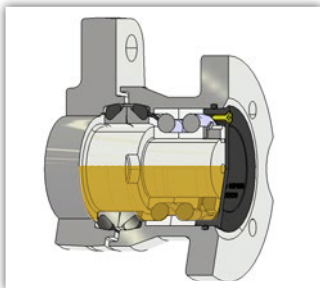
### **External cap**

External cap ensures total protection against dust and moisture.



### **Special bearings**

The disc hub is fitted with angular contact ball bearings which increase load capacity by 20% in relation to other makes.



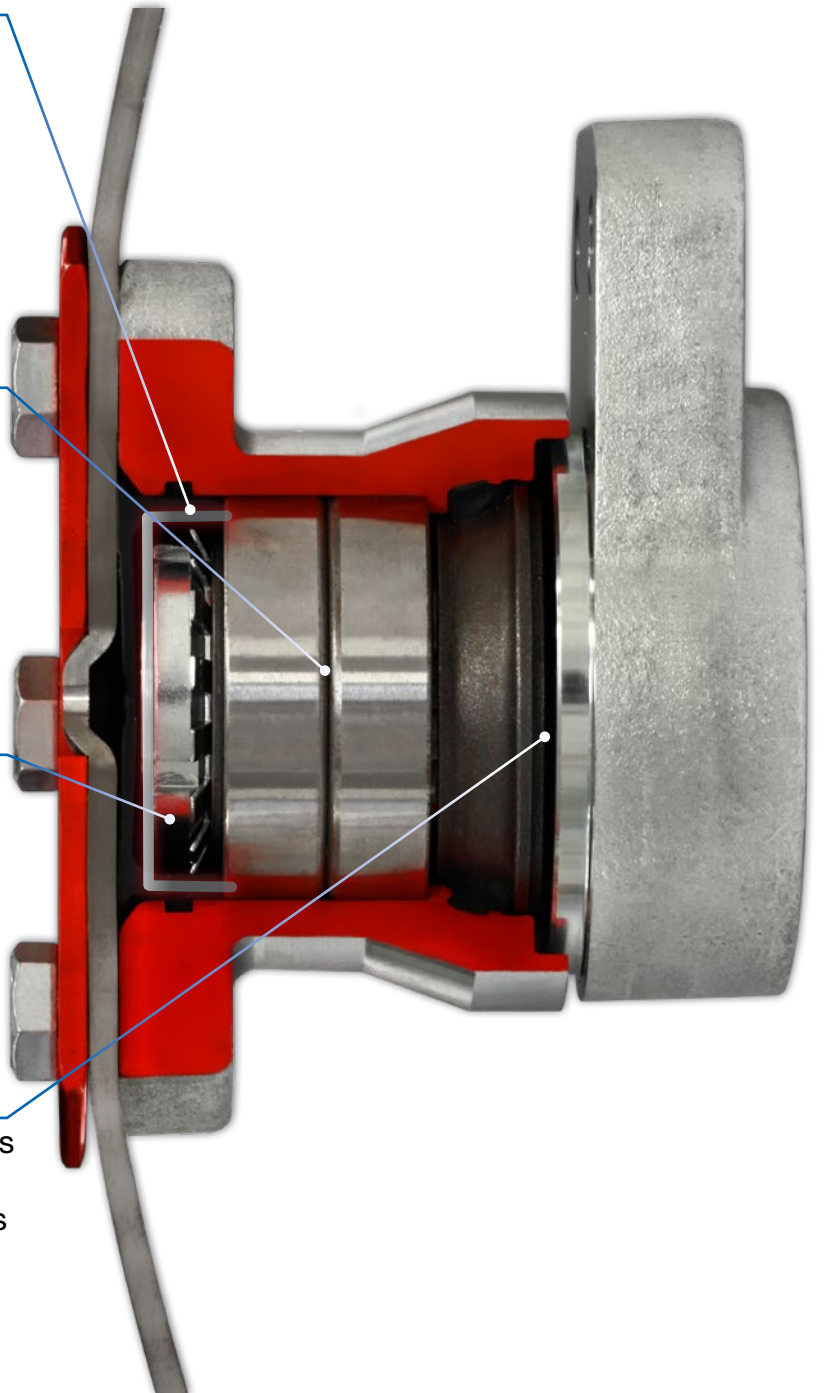
### **Oil bath lubrication**

The sealed hub is in an oil bath which enhances seals and bearing performance allowing maintenance free operations: no need to pump grease!



### **Face contact seals**

Two metal sealing rings floating in position and two elastomeric load rings provide positive sealing contact allowing lubricant retention and exclusion of any contamination.





# INDIVIDUAL MOUNTED FRONT DISCS

Each disc hub is mounted on an individual heavy duty C-shaped spring support. The spring arm allows an independent action of each disc and compensates for varying ground conditions as discs can move upwards and sideways. The disc arm is stone-proof and thanks to its great vertical movement if a stone is encountered it doesn't make any damage to the unit itself. The working depth of the discs is easy to set on the go with the hydraulic control.



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## WELDED HEAVY-DUTY FRAME

The DRACULA's frame is extremely sturdy! The main frame is made of a 14" x 10" heavy duty beam where the wings are attached and operated by 4 hydraulic cylinders which ensure a constant working depth preventing frame oscillations, torsions and damage. The high clearance guarantees non-stop tillage in high trash conditions at high speeds.



# AUTO-RESET TINES

## **STRENGTHS**

3 ¼" or 4" tips shatter compact soil layers and improve shank penetration (up to 12"). It can be easily removed by just removing one bolt. 12 ¼" quick fit delta tips can be bolted onto the point to cut off weed roots and to improve soil aeration.

## **CURVED DEFLECTOR**

3" ¼ curved deflectors improve residue incorporation and move the soil flow in different directions, increasing soil leveling and refinement. Deflectors are arranged in an X layout among shanks in order to increase soil mixing and a crumbling effect.

## **SPRING DAMPER**

A 2077 lb spring absorbs most of the pulling stress. This solution is suitable for stony or hard soils. The unit is also equipped with an emergency shear-bolt.

## **OPTIMUM GEOMETRY FOR IMPROVED RESIDUE FLOW**

Shank placement in three rows and spacing (19" within each row) promotes a perfect flow even in high residue conditions and prevents clogging.



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## POWER LESS SOIL REFINING

### Levelling discs

The rear discs of the DRACULA (diameter of 18") levels the soil profile. The disc levelling bar is equipped with silent-blocks to prevent damages when working in stony conditions. The levelling disc position can be easily adjusted by hydraulic cylinders and removable spacers.



### Rear roller

The ring roller (diameter of 23 ¾") has an aggressive profile that crushes clods and consolidates the sub-soil. The "V" profile of each ring provides effective deep soil pressure keeping the surface soft. The working depth adjustment of the shanks is easy to set by changing the spacers on the hydraulic cylinders. This system allows you to till exactly at the same depth from field to field.



# DRACULA

## QUICK AND EASY CONNECTION

The DRACULA is equipped with a heavy-duty cat. 4 towing eye drawbar. The drawbar setting can be easily adjusted by adjusting the nut limiter of the cylinder. The hydraulic control of the drawbar and wheel lifts makes every maneuver quick and easy. Wheel position enhances maneuverability.





DRACULA	430	630
Working width	14 ft	20 ½ ft
Transport width	10 ft	10 ft
Transport height	10 ft	13 ft
Length	30 ft	30 ft
Number of discs	18	26
Disc spacing	19" ½ in	19" ⅓ in
Number of tines	9	13
Tine spacing in one row	38" ½ in	38" ½ in
Tine spacing	19" ½ in	19" ⅓ in
Frame height	35" ½ in	35" ½ in
Frame size	4" ¾ in	4" ¾ in
Horsepower (HP) required	280-360	330-550
Point width	3" ¼ in	3" ¼ in
Roller diameter	23" ⅔ in	23" ⅔ in
Adjustment drawbar height	Hydraulic	Hydraulic
Adjustment disc depth	Hydraulic	Hydraulic
Adjustment leveling discs	Hydraulic	Hydraulic
Adjustment roller depth	Hydraulic	Hydraulic
Weight	18759 lb	23510 lb
MAX disc working depth	6"	6"
MAX shanks working depth	12"	12"

### Narrow on the road

The DRACULA is only 10 ft wide in transport mode, regardless of working width in the field. The large transport tires (550/60-22.5) ensure excellent maneuverability during transport on the road and when turning at field ends.



# MASCHIO



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