



DRACULA



 **COMBINED CULTIVATOR**

Tackle tillage operations with Dracula!

DRACULA

EXCEED EXPECTATIONS

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, Dracula provides crop residue management, soil aeration, levelling and seedbed preparation in one cost-effective passage. Choosing this cultivator, you can face both shallow and deep tillage operations (from 5 cm up to 30 cm). As a soil caretaker, Dracula creates optimal field conditions for more yield potential and more profit!



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The Dracula's concept

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- Long lasting performance maintenance free
- Auto-reset tines
- Soil leveling and sub-consolidation
- Quick matching



“This is very good machine. It provides a high level of soil tillage and after DRACULA you can go seeding with no extra passes.”

*(Aleksandr Vasyuk, Agrocenter LLC,
Dnepropetrovsk region, UA)*

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THE DRACULA'S CONCEPT

Cut and mix

The front double discs gangs size residue, dislodge roots and get the residues in contact with the soil for a 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 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 Dracula eliminate any ridges left by the rear row of shanks. The levelling discs are dampened by a silent block system that guarantees a constant working depth even on uneven surfaces.

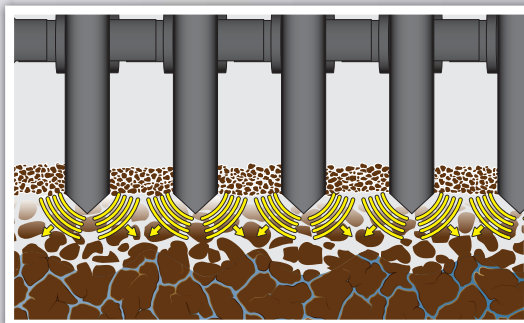


Consolidation

The final tillage zone of 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 for 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 AND INTENSE MIXING

Disc diameter and concavity

Dracula's notched discs have a wide diameter (610 mm). 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 residue density, 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

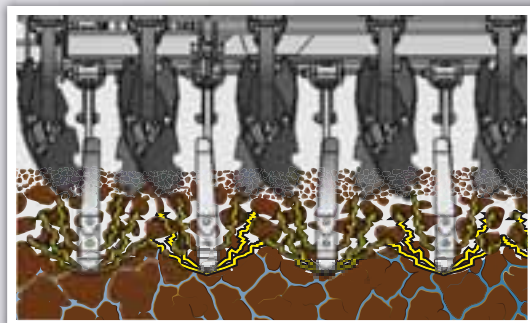
The multiple and easy adjustments of side discs guarantee a leveled and uniform seedbed in every soil and residue condition. The seedbed will be extremely flat and even with no ridges or furrows among passes.





Cross System

The perfect overlapping of big diameter discs and shanks guarantees an extremely consistent tillage across the working width. The high clearance (70 cm) and the disc placement make Dracula the most aggressive residue-sizing and mixing option available on the market.



DRACULA

LONG LASTING PERFORMANCE MAINTENANCE FREE

CULTIHUB UNIT: 10,000 ha 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.



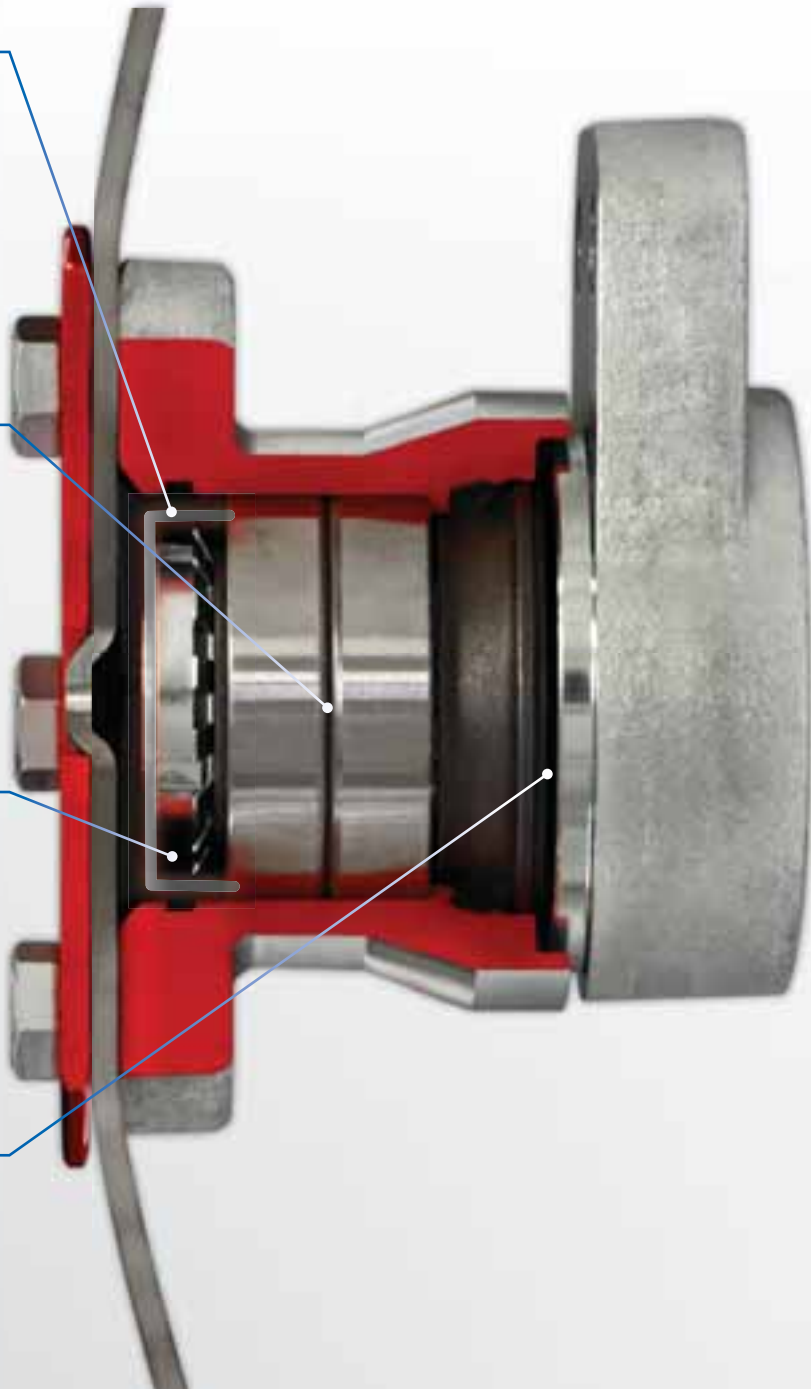
Oil bath lubrication

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 excluding 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 excursion if a stone crash occurs it doesn't make any damage to the unit itself. The working depth of the discs is easy to set on the go by the hydraulic control.



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WELDED HEAVY-DUTY FRAME

Dracula's frame is extremely sturdy! The main frame is made of a 350 x 250 mm heavy duty beam where wings are connected and operated by 4 hydraulic cylinders which ensure a constant working depth preventing frame oscillations, torsions and damages. The great clearance guarantees no-stop tillage working in high trash conditions at high speeds.



AUTO-RESET TINES

STRENGTHS

80 or 100 mm tips shatter compact soil layers and improve shank penetrations (up to 30 cm). It can be easily removed by just screwing off one bolt. 310 mm quick fit delta tips can be bolt-on the point to cut off weed roots and to improve soil aeration.

CURVED DEFLECTOR

80 mm 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 500 kg pre-load spring absorbs the most of 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 on three lines and spacing (50 cm among each line) promotes a perfect flow even in high residue conditions and prevent clogging.



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POWER LESS SOIL REFINING

Levelling discs

The rear discs of Dracula (diameter of 460 mm) 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 donuts.



Rear roller

The ring roller (diameter of 600 mm) has an aggressive profile that crushes clods and sub-consolidates the soil. The "V" profile of each ring do an effective deep soil pressure keeping the surface soft. The working depth adjustment of the shanks is easy to set by changing the donuts on the hydraulic cylinders. This system allows to till exactly at the same depth from field to field.



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QUICK-MATCHING

Dracula is equipped with a heavy-duty cat. 4 towing eye drawbar. The drawbar setting can be easily adjusted by screwing the nut limiter of the cylinder. The hydraulic control of the drawbar and wheel lifting makes every manoeuvre quick and easy. Wheel position enhance manoeuvrability.





DRACULA	4 M	6 M
Working width	4 m	6 m
Transport width	3 m	3 m
Transport height	3m	4m
Length	9,1 m	9,1 m
Number of discs	18	26
Disc spacing	49 cm	49 cm
Number of tines	9	13
Tine spacing in one row	98 cm	98 cm
Tine spacing	49 cm	49 cm
Frame height	90 mm	90 mm
Frame size	120 x 120 mm	120 x 120 mm
Power demand (kW/HP)	206-265/280-360	220-400/330-550
Point width	80 mm	80 mm
Roller diameter	600 mm	600 mm
Adjustment drawbar height	Hydraulic	Hydraulic
Adjustment disc depth	Hydraulic	Hydraulic
Adjustment levelling discs	Hydraulic	Hydraulic
Adjustment roller depth	Hydraulic	Hydraulic
Weight	8000 Kg	9500 Kg
MIN÷MAX working disc depth	5-15 cm	5-15 cm
MIN÷MAX working tine depth	5-30 cm	5-30 cm

Narrow on the road

Dracula is only 3 m wide in transport mode, regardless of working width in the field. The large transport tyres (550/60-22.5) ensure excellent manoeuvrability during transport on road and when turning at field heads.





MASCHIO GASPARDO

the winning team

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**COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =**

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