MASCHIO

UFO

COMPACT SPEED DISCS

Maximize productivity with the fastest one-pass residues management tool

MODERN STUBBLE CULTIVATION

TODAY RESIDUES MANAGEMENT HAS THREE MAIN FUNCTIONS:

- **Straw incorporation**
  Residues mixing on the top soil at a depth of 2" - 5" promotes straw decomposition and nutrient release. While conventional discs just size residues, UFO chops, pulverizes and incorporates them at shallow depth.

- **Soil structure restoring and field conditioning**
  UFO preserves soil structure without aggressive soil movement and no compaction in relation to conventional discs. It also promotes an increase of organic matter content on 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. The UFO does a great job of reducing weed competition.

MASCHIO - UFO

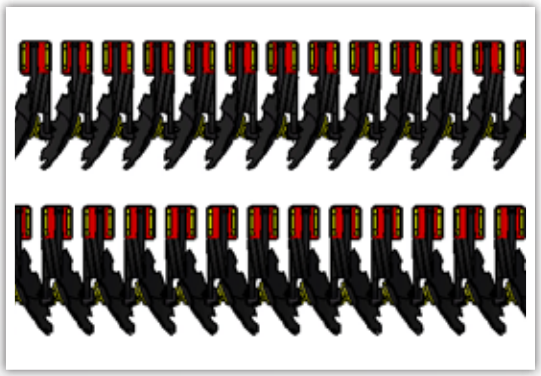
A COMPLETE RANGE OF SPEED DISCS

MASCHIO designed a full range of rigid and folding **UFO**. The large diameter disc with its inclination and low concavity allow to get the depth and to throw much more dirt than a conventional vertical tillage tool. Soil is blackened up and tends to warm up faster, so it is possible to advance sowing operations. UFO can replace a conventional disc, field cultivator and rolling straw chopper all at once.

"UFO carries out a great chopping and incorporation, it flies even through the toughest BT corn stalks!"

Carl Neubauer, Evansville IN

SUPERB CHOPPING AND INTENSE MIXING



Cross System

The perfect overlapping of front and rear gangs guarantees an extremely consistent tillage all across the working width. The high clearance 28" and the narrow 40" gang spacing improves leveling, firming and consolidation, reducing power and fuel consumption at the same time.

Disc diameter and concavity

UFO notched discs have a wide 24" diameter and are 1/3" thick. 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 straw mixing even on a very high density residues, then conventional vertical discs.

Perfect cutting angle

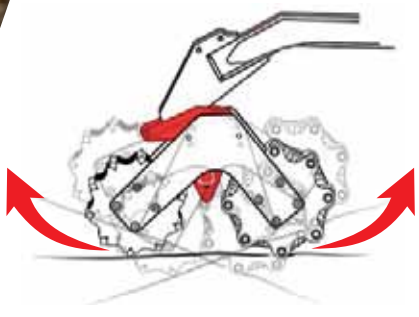
The 22° cutting angle, the disc shape and spacing ensure an optimal cutting quality even in the toughest working conditions.

Adjustable side retaining discs

Easily adjustable side discs (in depth and inclination) allow a perfect soil retention even with heavy crop residues, preparing an optimal seed bed and leaving a nice flat finish (no side ridges or furrows).

Powerless soil refining

The double cage roller (ext. Ø 16”) guarantees a perfect soil refinement and residues mixing. The pendulum hinge system allows the roller to follow soil contours ensuring uniform weight distribution and accurate depth control also on uneven grounds (only available on UFO 600).



LONG LASTING PERFORMANCE MAINTENANCE FREE

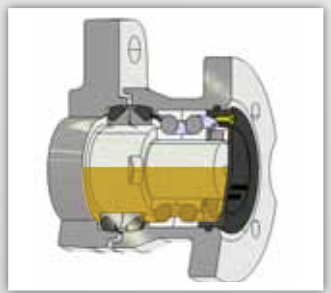
CULTIHUB UNIT: 20,000 ACRES WARRANTY!

External cap

External cap ensures total protection against dust and moisture.

Special bearings

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

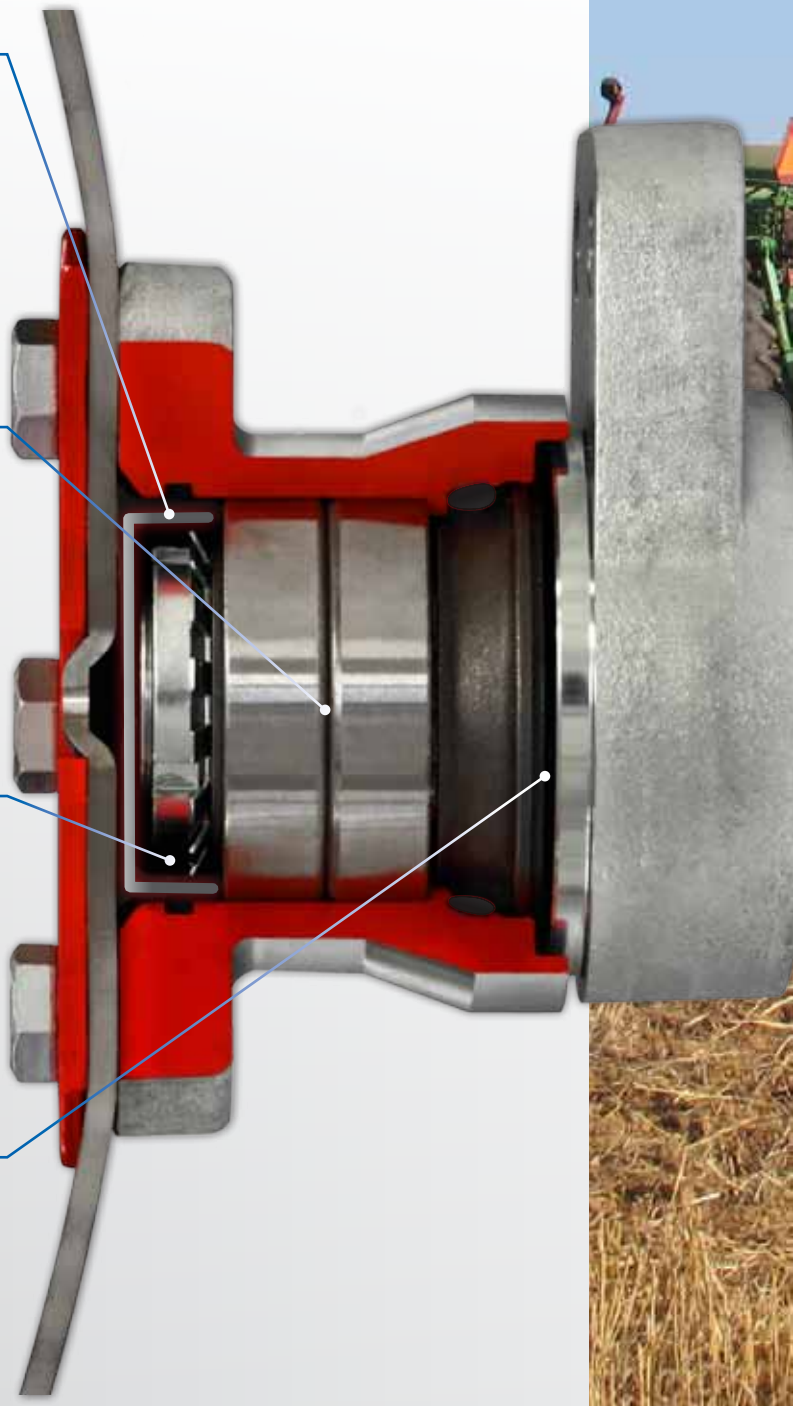


Oil bath lubrication

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

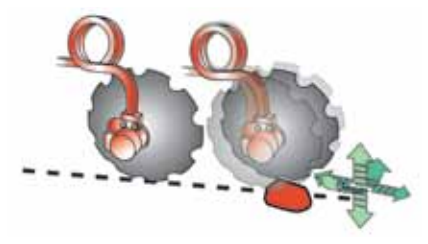
Face contact seals

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



Double spring arm

Each disc hub is mounted on an individual heavy duty double coil spring support. The coil support produces a permanent 3D vibration which improves soil refinement and residues incorporation. The spring arm allows an indipendent action of each disc and compensates for varying ground conditions as discs can move upwards and sideways.



RIGID UFO

COMPACT AND STURDY

Available from 8' to 13' working widths, rigid UFO delivers high performances.
The extremely sturdy 5x5" frame and high tensile steel headstock allow to fit the unit with the heaviest rear rollers and to mount a drill to sow cover crops in one-pass operation.
Thanks to frame compact design which brings the center of gravity frontward, it is possible to use lower lifting capacity an HP tractors (from 110 to 220 HP).

FOLDING UFO

THE PERFECT CHOICE FOR THE BIG ACREAGE FARMS

UFO is also available in folding version, from 13' to 20' working widths.
Taking the load off the tractor, the folding UFO assures a safe transport onroad, having a reduced 10' overall width in transport position. Folding UFO can also be fitted with different wheels sizes if needed (400/60-15.5, 500/458-22.5, 700/40-22.5) and with an optional air or hydraulic braking system. Moreover the special design lower links attaching toolbar allows great maneuvrability on field heads as well as turning.

Heavy duty frame

UFO frame is extremely sturdy! The folding version is equipped with 4 cylinders, 2 per side, that ensure a constant working depth preventing frame oscillations, torsions and than damages.

CUSTOMIZE YOUR UFO TO MATCH CULTIVATION CONDITIONS!

DIFFERENT ROLLERS FOR PERFECT TILLAGE IN ANY CONDITION

Double cage roller

(ext. Ø 16")

Ring roller

(ext. Ø 24")

Rubber roller

(ext. Ø 24")

Cage roller

(ext. Ø 22")

TECHNICAL SPECIFICATIONS

RIGID UFO	kW	HP	(1) ft	(2) ft	n°	Ø in	in	lbs*
250	81-103	110-140	8	9	20	24	2-5	5434
300	110-125	150-170	10	10	24	24	2-5	6371
400	132-147	180-200	13	14	32	24	2-5	8333

(1) Working width / (2) Transport width / * with rubber roller

FOLDING UFO	kW	HP	(1) ft	(2) ft	n°	Ø in	in	lbs*
400	118-160	160-220	13	10	32	24	2-5	12787
450	132-176	180-240	15	10	36	24	2-5	13558
500	160-206	220-280	16	10	40	24	2-5	14881
600	206-265	280-360	20	10	48	24	2-5	16469

(1) Working width / (2) Transport width / * with rubber roller

Two point pivot

The rigid (semi-mounted) and folding version are equipped with a two point pivot towing system. A steering angle over 180° ensures excellent maneuverability during transport on road and when turning at field heads.

MASCHIO GASPARDO

the winning team

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

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11-11 Cod. W19582650R - Maschio Gaspardo Marketing Department

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