



MasterMix

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Kariotakis MasterMix is a compact 3-row cultivator ideal for intensive soil mixing. The MasterMix can mix the soil perfect in all depths & in all conditions between **5 up to 35cm**.



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Advantages

- Low Horse Power (from 110HP)
- Working depth up to 35cm
- Great mixing in all working conditions
- Robust construction
- Non-stop Safety System (Hydraulically)
- Low diesel consumption
- Universal use





3 rows of cultivation (standart) :

The MasterMix has standart 3 rows of tines ,a row of discs and Hydraulic adjusted rear roller.

It is used for a whole area stubble cultivation or for intensive loosening and mixing of straw to a working depth of between 5 and 35 cm.



Tines & Knifes :

The point at MasterMlx never penetrates the soil vertically. This reduces the horse power requirement and saves petrol.

The MasterMix points consist of three parts (point, a plate, wing) which can be changed independently.



Non-Stop system (standard):

At the Non-stop system the machine can cultivate without interruption in rocky soils and hard working conditions and has the above features.



Rear rollers (standard):

We provide 2 different types of rear rolllers.

All rear rollers are Hydraulically Adjusted



Non-Stop Safety system

At the **Non-stop system** the machine can cultivate without interruption in rocky soils and hard working conditions and has the above features.

At Non Stop MasterMix you can **regulate the sensitivity at the arms** reaction while you set the pressure at the hydraulic system which is connected with a **Nitrogen Accumulator**. The **hydraulic system** works according the pressure you set from the cab of your tractor and arms at MasterMix can work almost as it has stable arms or with more sensitivity and reaction to any obstacle.

This saves time and money.

Due to the effective stone protection the tine moves quickly in the soil again quickly and exactly – without side movements.

Non-Stop



At the safety bolt system there is standard a **safety bolt at each arm.**

In case you have an obstacle while working with the MasterMix the safety bolt is cut and each arm is protect with the entire main frame of the machine.



The big **height** under the frame **87cm** because of the tines and the **ideal spacing between tines at 30cm** with the advantage of front knives are helping the machine to mixes all the residues even in heavy soils.



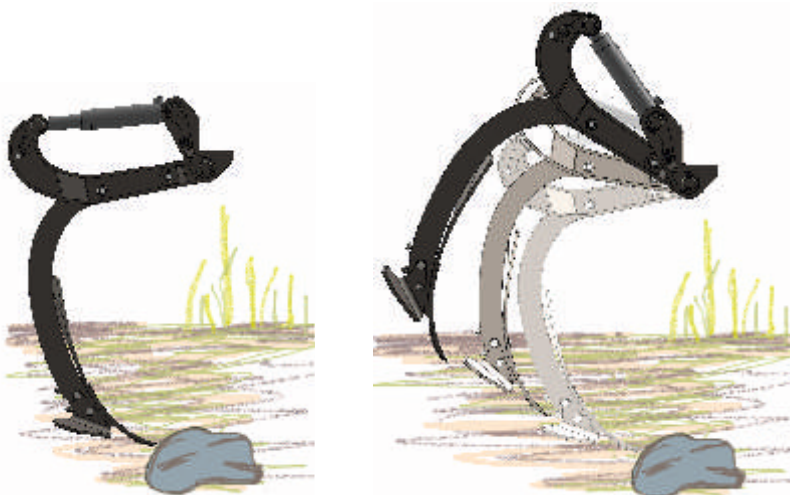
With the **side knives** even if there are high amounts of straw, it achieves an excellent mixing quality up to 12cm to 15cm working depth.

With the side knives even if there are high amounts of straw, it achieves an excellent mixing quality up to 12cm to 15cm working depth.



Regardless of the working depth: The point never penetrates the soil vertically because it has the front knives. **This reduces the horse power requirement and saves valuable petrol.**

Non-Stop System



The improved Non Stop arm system at MasterMix allows an exact point control in the desired working depth – even in heavy soils and large working depths.

As you avoiding an obstacle, the force of the tine decreases from 600 kg to 175 kg.

At the Non Stop system each arm can be lift up to 35cm.

Working Depth

The working depth of the MasterMix is controlled by the hydraulics of the tractor and the rear rollers.

The depth is set from the tractor that limit the lowering depth of the cultivator frame in relation with **the working depth of the rear rollers which is set hydraulically (standard)**

The robust tines provide constant working at the required working depth.



The choice of the rear roller **depends on the soil** and we provide 2 different types of rear rollers.

With the rear roller excessively loose soil is compacted, clods are destroyed and an ideal environment with an optimum ratio of water- and air-bearing pores is created.

BAR-ROL: Ø580mm with 10 tubes

U-KNIFE: Ø600mm with scrapers

BAR-ROL



U-KNIFE



All rear rollers are Hydraulically Adjusted

Discs

The rear levelling discs are optimally placed and can be adjusted so that the surface is level and is being achieved an even and deep consolidation.

The workign depth of the rear discs is being set mechanically .





Standard Equipment

- 3 point connection, Cat II / III
- Under frame clearance 87cm
- Front knife and side knives
- Non-Stop Hydraulic Safety System (with the help of accumulator)
- Three rows of tines
- A row of discs
- Hydraulic adjusted rear roller
- Maximum working depth at 35cm

Options:

- Safety system with safety bolt
- Trailer system for 3.50m & 4.00m models

Model	MM250	MM300	MM350	MM400
Working width (m)	2,5	3	3,5	4
Transportation width (m)	2,5	3	3,5	4
Length (m)	3,85	3,85	3,85	3,85
Tractor (HP)	110-150	140-200	160-230	180-260
Weight with U-Knife roller(Kgr)	1.650	1.960	2.290	2.780
Number of tines	8	10	12	13
Non-stop safety system	--	--	--	--
Height under the frame (cm)	87	87	87	87
Tine distance on the row(cm)	90	90	90	90
Tine distance (cm)	30	30	30	30
Main frame	100X100X10	100X100X10	100X100X10	100X100X10
3-connection points	3-points Cat II /III	3-points Cat II /III	3-points Cat II /III	3-points Cat II /III
Trailed system	x	x	-	-

* Weights are for Non-Stop models
 * The weight is indicated and may vary according the model

