



CULTIRAPID PRO

ma/ag
MACCHINE AGRICOLE S.r.l.



COMBINED “CULTIRAPID PRO” PATENT CR2005A000002

The combined machine Cultirapid PRO represents the maximum expression of versatility on the panorama of the agricultural machineries available on the market.

Main characteristic is the modularity and the ability to customize the setting up or to complete it in the future years.

The front discs attack the soil, breaking and mixing the crop residues present, permitting to the tools that follow, to work effectively without having problems of clogging.

The anchors realize the decompaction of the soil, without the inversion of the layers and a working depth up to 35 cm.

The action of the anchors permits the crack of the soil for a best water control and the restoration of the rutting.

The equipment in the “basic” version ends with a III points swiveling linkage ideal both for the different and numerous solutions available in the ma/ag’s catalogue and other solutions already present to the customers. The breaking group with double discs mixes the soil and attacks the small clods coming out from previous uses.

The equipment ends with a finishing/levelling roller. Multiple are the solutions available in the catalogue: Ring Roller, Packer Roller, Cage Roller, Spike roller, Compact roll, Smooth roller.



CULTIRAPID 40 PRO

THE COMBINED “CULTIRAPID PRO” PERMITS:

- **high productivity of the work with high working speed** adjustable from 7 to 15 Km/h and a yield average hourly varying from 4 to 7 hectares per hour, according to the models and a consequent **reduction of manpower**;
- **double layer working** obtained thanks to the use of the subsoiler-decompactor: up to 15 cm with the discs and up to 35 cm with the anchors;
- **low environmental impact** and lower emissions of reduction in fuel consumption per worked hectare, containment of erosion phenomena;
- **possibility to be used also for the biologic agriculture** thanks to the sequence of the working elements that permits the control of the weed;
- **reduction of the number of passages** obtained thanks to the sequence of the working elements, in general 1 or 2 passes are sufficient for obtaining the desired work;
- **reduction of the working costs up to 50% with respect to the “traditional” processing system with plowing and rotary harrow** taking into account the cost of equipment, maintenance costs (minimal), depreciation (average life of the tool high) and labor costs (higher productivity);
- **production yields comparable if not superior to those obtained with the “traditional” processing system**;
- **high crop residues after processing** up to 70% obtained thanks to the non-inversion of the layers of the soil;
- **strong activity of soil formation** in fact, already after a few years of using this tool, the presence of animal organisms, such as earthworms or other in the first layers of the soil is significantly increased.



COMBINED “CULTIRAPID PRO” FOR THE DIRECT WORKING ON NO-TILL SOIL

Drawbar with swivel eye hitch cat. F3 and hydraulic device (homologated version for the transport on road) or with the lift tractor for the half-brought version.



Double toothed rounded discs, realized with boron steel discs, mounted on a steel shaft and swiveling supports with double conical bearings, system ma/ag. The disc sections are arranged on “rhombus” shape, patented system ma/ag. Mechanical adjustable regulation in different positions.

Soil loosening group with anchors with bending profile type “Michel” H 600 mm. The anchors are arranged on 2 working rows, permitting the soil loosening without the reverse of the layers. Safety device by a shear bolt. Interchangeable anti wears shares and protections. Hydraulic depth regulation of the soil loosening group.



III point linkage, swiveling for rear breaking kit application or something else.



Transport trailer actioned by 2 hydraulic rams supplied with safety device with stop valve. Oversize wheels with 8 holes.

Double self-cleaning breaking roller (on series with star and wavy discs). It permits the mixing of the soil and the further breaking of the crop residues, permitting, in this way, the fast decomposition of the same and the subsequent transformation into natural organic fertilizer.

Made with boron steel discs, mounted on a steel shaft and swivelling supports with double conical bearings with interchangeable carter – system ma/ag.

Rear finishing stabilizer roller, available at your choice: ring roller, cage roller, packer roller, spike roller, compact roll.

III POINT LINKAGE

The rear III point swiveling linkage permits to exclude the finishing group for leaving the soil with a bigger soil cloddiness. It also permits to equip the machine with tools already present to the customer (cultivators – grubbers or other) or to complete the setting up in next phases after the purchase.



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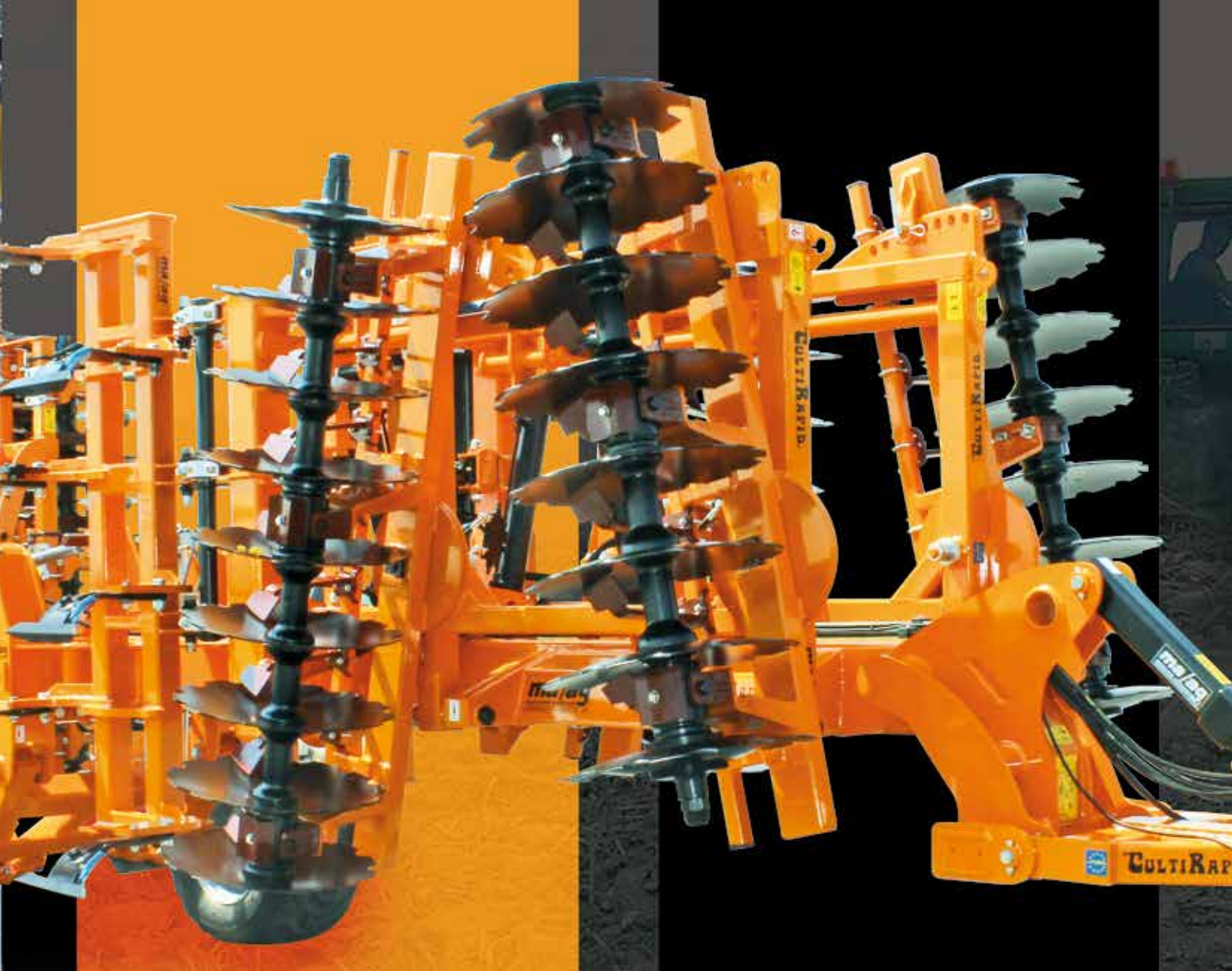
SWIVELING SUPPORT SYSTEM MA/AG



On the Cultirapid PRO we are using swiveling supports with two conical roller bearings (for absorbing in addition to the vertical charge also the horizontal actions), provided with an under interchangeable protection carter.

The ma/ag's supports are the fruit of the internal targeted and specific design validated by 40 years of experience and continuous improvements for granting a product extremely reliable in any condition.





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The two front sections made with toothed discs are arranged on a “rhombus” shape, according to the patented system ma/ag (CR2005A000002). The bigger space distance between the discs permits an optimum discharge of the soil and, at the same time, a better management of the working, even at high speeds (7/15 Km/h).



STARTING SITUATION

FINAL SITUATION



COMBINED “CULTIRAPID PRO”

MODEL MACHINE	WORKING WIDTH (m)	TRANSPORT WIDTH (m)	WEIGHT (Kg)	HP
CULTIRAPID 32 PRO	3,20	2,55	6850	170/220
CULTIRAPID 40 PRO	4,00	2,55	7950	220/260
CULTIRAPID 50 PRO	5,00	2,55	8550	260/300
CULTIRAPID 60 PRO	6,00	2,55	9200	oltre 350

The weights can change according to the type of roller used and of particulars type of tools.
The weight shown in the table is referring to the version with rear breaking kit and ring roller.



MADE IN ITALY- CEE



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