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MACCHINE AGRICOLE - AGRICULTURAL MACHINES - MACHINES AGRICOLES

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HYDROPNEUMATIC DISC PLOUGHS / CULTIVATORS



HYDROPNEUMATIC DISC PLOUGHS / CULTIVATORS



HYDROPNEUMATIC DISC HARROWS WITH ROLLER



HYDROPNEUMATIC TOWED DISC HARROWS



HYDROPNEUMATIC MOUNTED ORCHARD DISC HARROW



HYDROPNEUMATIC MOUNTED DISC HARROW



ORCHARD DISC HARROW



SPRING AND HYDRAULIC CULTIVATORS



SPRING AND HYDRAULIC CULTIVATORS



SPRING-TINE CULTIVATORS



SPRING-TINE CULTIVATORS



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HYDROPNEUMATIC CULTIVATORS



HYDROPNEUMATIC CULTIVATORS



HYDROPNEUMATIC CULTIVATORS



HYDROPNEUMATIC VINEYARD CULTIVATORS



SPRING-TINE HARROWS



HYDROPNEUMATIC SUBSOILERS



HEAVY-DUTY HYDROPNEUMATIC CULTIVATORS



HYDROPNEUMATIC SUBSOILERS



SHEAR-BOLT SUBSOILERS



TRAILED SHEAR-BOLT SUBSOILERS



HYDROPNEUMATIC PLOUGHS



IMPLEMENT CARRIERS



IMPLEMENT CARRIERS



STONE PICKERS



STONE PICKERS



STONE PICKERS



GRAPPLE STONE BUCKET

HYDROPNEUMATIC DISC PLOUGHS / CULTIVATORS



The SILVER is a heavy-duty disc plough and cultivator designed for use in extremely hard and stony soils. It is the ideal solution for preparing rocky surfaces for cultivation, ensuring optimal aeration and creating the perfect seedbed.

Key Features and Operational Benefits

· Mastery on Rocky Ground: Thanks to the independently fitted arms with a 'No-Stop' hydro-pneumatic system, each disc can lift independently upon contact with rock, instantly returning to its normal position to protect the frame's integrity.

· Superior Energy Efficiency: Thanks to its streamlined design, the SILVER requires far less traction effort than a traditional plough, resulting in significant fuel savings and preventing excessive tractor slippage.

· Versatility in Green Manure: Thanks to the high cutting capacity of the 66 cm discs, the machine excels at burying stubble and crop residues, ensuring rapid and effective decomposition.

· Stability and Precision: The in-furrow or out-of-furrow configuration, combined with depth wheels, ensures a perfectly straight path. This eliminates sideways drift and makes steering easier, even on particularly tough soils.

· Structural Durability: The nitrogen-filled pistons act as smart shock absorbers, protecting bearings and mechanical components by absorbing violent impacts over time.

Technical Specifications and Performance

· Working Depth: It can operate continuously from a few centimetres below the surface up to a maximum of 25 cm. This is hydraulically adjustable to suit all agronomic requirements.

· Field Results: Tests have demonstrated the machine's remarkable stability on rocky ground and soil with a high graveled soils. It maintains a constant speed without compromising the quality of the work achieved.

· Hydraulic Adjustment: Operating times can be optimised by adjusting the working angle and width directly from the tractor cab.

Technical Data

				
Model	**Working width**	**Working depth**	**Weight**	**Power**
	CM	CM	KG	HP
SILVER-66/7	112-193	10-25	1180	70-90
SILVER-66/8	129-222	10-25	1280	80-100
SILVER-66/9	146-251	10-25	1370	90-120
SILVER-66/10	163-281	10-25	1460	110-150
SILVER-66/11	180-310	10-25	1620	120-180
SILVER-66/12	197-339	10-25	1700	140-200

Optional accessories

1-piece extension
2-piece extension

HYDROPNEUMATIC DISC PLOUGHS / CULTIVATORS



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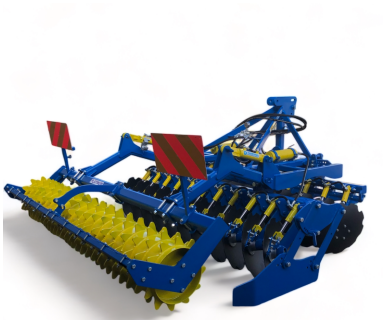
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· Hydraulic Adjustment: Operating times can be optimised by adjusting the working angle and width directly from the tractor cab.

Technical Data

					
Model	**Folding**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	KG	HP
SILVER-66/13	IDRAULICO	214-368	10-25	2370	150-200
SILVER-66/14	IDRAULICO	231-397	10-25	2440	160-200
SILVER-66/15	IDRAULICO	248-427	10-25	2560	180-300

HYDROPNEUMATIC DISC HARROWS WITH ROLLER



The DIR PLATINUM series showcases Di Raimondo?s technological expertise in shallow tillage and crop residue management. Designed to operate with precision at depths between 3 and 10 cm, this hydropneumatic disc harrow with independent discs is the ideal machine for minimum tillage, false sowing, and uniform incorporation of heavy residues or green manure crops. Thanks to its robust and versatile design, it delivers impeccable performance on all soil types, from loose to the most compact and stony.

Key Features

· Stability and Operational Precision: The discs are arranged in opposing rows, which completely cancels out lateral forces. This enables the machine to work in a straight line, eliminating the need for the tractor to make any course corrections and ensuring perfect levelling.

· Hydropneumatic No-Stop System: Each disc is equipped with independent hydropneumatic safety features. If it encounters obstacles such as rocks or stones, the disc instantly lifts and returns to its normal position, protecting the structure and preventing machine downtime.

· Efficiency and Energy Savings: Eliminating lateral drift drastically reduces the required traction effort. Field trials have demonstrated tangible fuel savings and reduced working times, enabling chopping, mixing and levelling to be carried out in a single pass.

· Optimal Residue Management: This machine has excellent penetration capacity, even in the presence of large volumes of maize or wheat stubble. It promotes surface cracking and the decomposition of residues, thereby improving the soil's agronomic fertility.

· Customised Configurations: It is available in a mounted version with a roller (R) for maximum manoeuvrability and depth control, or in a trailed version (T) for handling high power outputs (up to 400 HP) and reducing soil compaction over large areas.

· Superior Build Quality: The Platinum is constructed from high-strength materials and features bushings with fixed bearings. This design ensures consistent performance over time, even under intense professional use.

Technical Data

					
Model	**Units**	**Overall Width**	**Working width**	**Weight**	**Power**
	N	CM	CM	KG	HP
PLATINUM-280R	22	280	277	2100	140-160
PLATINUM-300R	24	300	300	2200	160-180
PLATINUM-350R	28	350	350	2800	200-250
PLATINUM-400R	34 (22+12)	255	415	3520	200-250
PLATINUM-500R	42 (26+16)	300	506	4300	300-400
PLATINUM-600R	48 (26+22)	300	575	4900	300-400

HYDROPNEUMATIC TOWED DISC HARROWS



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Key Features

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· Efficiency and Energy Savings: Eliminating lateral drift drastically reduces the required traction effort. Field trials have demonstrated tangible fuel savings and reduced working times, enabling chopping, mixing and levelling to be carried out in a single pass.

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Technical Data

					
Model	**Units**	**Overall Width**	**Working width**	**Weight**	**Power**
	N	CM	CM	KG	HP
PLATINUM-280T	22	280	280	3600	140-160
PLATINUM-300T	24	300	300	3700	160-180
PLATINUM-400T	34 (22+12)	255	415	5020	200-220
PLATINUM-500T	42 (26+16)	300	506	6000	300-400
PLATINUM-600T	48 (26+22)	300	575	6600	300-400

HYDROPNEUMATIC MOUNTED ORCHARD DISC HARROW



Hydropneumatic Towed Disc Harrow: RAPID-F Orchard Model

The RAPID-F is a technological revolution in soil management between rows. Designed for farms seeking agile, robust equipment that can combine speed of operation with the utmost care for the root system and soil structure in the orchard, it is the perfect solution.

Key Features

· Precision in the Row: Thanks to the opposing disc structure, lateral play is eliminated, enabling extremely precise operation, even in confined spaces, without the risk of 'slipping' towards the trees.

· Agility on Difficult Terrain: Thanks to its independent modules, the No-Stop system allows the machine to adapt to tough or stony soils while protecting the integrity of the frame and reducing maintenance requirements.

· Superior Durability: The use of high-strength steel and fixed bushings provides exceptional resistance to mechanical stress, thereby maintaining the value of the investment over time.

· Strategic Agronomic Management: The discs' action promotes the decomposition of pruning residues and stimulates the 'false sowing' of weeds, thereby keeping the soil healthy and well-aerated.

Field Trial Results

· Working Depth: It is optimised for depths between 3 and 10 cm, enabling the management of surface residues without disturbing the deeper soil layers.

· Versatility: Tests have demonstrated the machine's excellent capacity for handling manure or bulky pruning residues, ensuring perfect mixing without blockages.

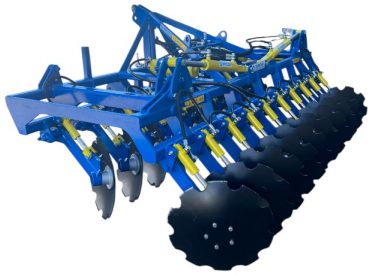
Technical Data

Model	**Units**	**Overall Width**	**Working width**	**Weight**	**Power**
	N	CM	CM	KG	HP
RAPID-F-12	12	200	200	610	70-80
RAPID-F-14	14	220	220	730	80-90
RAPID-F-16	16	248	248	860	80-90

Optional accessories

Provision for an additional body
Additional body supplement (right)
Additional body supplement (left)

HYDROPNEUMATIC MOUNTED DISC HARROW



The RAPID is the ultimate solution for farmers requiring absolute versatility on all types of terrain. Designed for shallow tillage and the effective incorporation of crop residues, it combines operational speed with surgical precision. The DIR RAPID guarantees optimal soil refinement in a single pass, whether the soil is loose, hard or heavily stony.

Key Features

· Absolute Directional Stability: The 'X' disc arrangement prevents sideways drift, enabling the machine to travel in a perfectly straight line without the tractor needing to correct its path. This drastically reduces fuel consumption.

· Exclusive Dual Accumulator: It is unique on the market thanks to its two separate hydro-pneumatic accumulators (one per row), which allow for independent control of depth and stability. This ensures a clean finish, even in mixed soil conditions.

· Hydropneumatic No-Stop System: Each disc operates independently and is protected. In the event of stones or obstacles, the individual module instantly lifts and repositions itself without forcing the operator to stop.

· Anti-Clogging Efficiency: Thanks to the generous spacing of 29 cm between the discs, the machine can quickly discharge soil and large amounts of crop residue, such as maize, thereby preventing operational blockages.

· Simplified Logistics: Models up to the RAPID-28 are fitted with a 2.50-metre hydraulic folding mechanism that enables them to be transported quickly and safely on the road without the need for special permits.

· Working Depth: It is precisely adjustable down to 10 cm, making it ideal for mechanical weed control and seedbed preparation.

· Performance: Tests have demonstrated that the DIR RAPID's combined shredding and levelling action reduces working times, making it an 'all-in-one' solution for farm optimisation.

Technical Data

Model	**Folding**	**Units**	**Overall Width**	**Working width**	**Weight**	**Power**
	TIPO	N	CM	CM	KG	HP
RAPID-18		18	278	278	1050	90-100
RAPID-20	IDRAULICO	20 (16+4)	248	300	1270	90-100
RAPID-20U		20	248	300	1150	90-100
RAPID-22U		22	330	330	1250	90-100
RAPID-24	IDRAULICO	24 (16+8)	248	360	1530	110-130
RAPID-28	IDRAULICO	28(16+12)	248	390	1750	140-160
RAPID-30	IDRAULICO	30(18+12)	278	420	1850	160-200
RAPID-34	IDRAULICO	34 (18+16)	278	480	2100	180-200
RAPID-32S	IDRAULICO	32 (20+12)	310	450	1950	180-200
RAPID-36S	IDRAULICO	36 (20+16)	310	510	2200	200-250

Included accessories

Hydraulic locking mechanism for locking pins

ORCHARD DISC HARROW



The DIR COMPACT is a mounted hydro-pneumatic disc harrow designed for use in the confined spaces of orchards. Born from the constant pursuit of innovation at Di Raimondo, this machine offers a universal solution for revitalising all types of soil, from loose earth to the hardest, stoniest ground. Thanks to its compact design and ability to operate at optimal depths, it ensures intensive mixing of residues and creates an ideal soil structure for sowing, significantly improving porosity and drainage.

Key Features

· Anti-Drift Operational Precision: The unique design of the discs ensures a perfectly straight cutting path. Unlike standard disc mowers, the COMPACT eliminates sideways drift for superior stability and easier handling.

· Efficiency and Savings: Improved directional stability not only enhances the quality of the work, but also results in significant fuel savings and reduced operator fatigue.

· Under-Canopy Mowing: Thanks to the optional hydraulic side-shift attachment, the machine can extend beyond the outline of the tractor. This enables precise trimming of areas beneath low-hanging branches and close to tree trunks, protecting the crop from damage.

· Adaptive Hydropneumatic System: Designed to withstand extreme stress, the COMPACT uses a hydropneumatic system to absorb shocks on stony ground. This protects the chassis and ensures consistent operation, even when there are obstacles present.

· Di Raimondo Reliability and Robustness: Each component has been carefully chosen to withstand the test of time, ensuring consistent performance season after season and confirming the brand's reputation for mechanical robustness.

Field Test Results

Tests have confirmed that the COMPACT provides uniform tillage and consistent shredding, even in challenging soil conditions. The machine consistently maintains the set depth, ensuring thorough and flawless incorporation of crop residues.

Technical Data

Model	**Overall Width**	**Working width**	**Weight**
	CM	CM	KG
COMPACT-10	120	120	600
COMPACT-12	150	150	700
COMPACT-14	180	180	800
COMPACT-16	200	200	900
COMPACT-18	220	220	1000
COMPACT-20	245	245	1100

Optional accessories

Hydraulic displacement

SPRING AND HYDRAULIC CULTIVATORS



The COMBI is the finest example of Di Raimondo's design innovation. This versatile hybrid cultivator is designed to operate with unparalleled efficiency at a working depth of 15-30 cm. It enables deep loosening to promote soil aeration and the optimal management of crop residues, all without altering the natural stratigraphy of the soil.

Key Features and Field Results

· Exclusive Mixed Working System: This is the only system that combines the elasticity of springs with the rigidity of hydro-pneumatic pistons. This ensures superior vibration absorption and unrivalled structural durability compared to traditional systems.

· Exceptional Crushing Performance: During tests on loamy and medium-textured soils, the machine showed exceptional performance in breaking up large clods from the first pass.

· Integrated NO-STOP Safety: This allows the machine to overcome obstacles and stones while instantly restoring the working configuration. This ensures a constant forward speed and protects the tractor's mechanical integrity.

· Natural Weed Control: The system's dynamic action brings the perennial parts of weeds to the surface, where they are exposed to the elements and naturally devitalised.

· Traction and Fuel Efficiency: The unique arrangement of the mechanical components and the sharp-edged tines provide increased traction, which drastically reduces slippage and ensures significant fuel savings.

· Extreme Mechanical Strength: The high-strength steel frame is designed to withstand heavy loads without deforming, while reducing vibrations to provide maximum operator comfort.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
COMBI-7		190	27	190	25	440	70
COMBI-7/9	MANUALE	187	26,5	239	25	580	80
COMBI-9		235	26	235	25	565	80
COMBI-9/11	MANUALE	235	26	287	25	690	80-100
COMBI-9/11P	MANUALE	248	27,5	302	25	760	100-140
COMBI-9/13P	IDRAULICO	248	27,5	357	25	1000	120-160
COMBI-9/15P	IDRAULICO	248	27,5	412	25	1120	120-180
COMBI-11/15P	IDRAULICO	302	27,5	412	25	1120	160-180
COMBI-11/17P	IDRAULICO	302	27,5	467	25	1250	160-200

Optional accessories

Harrow Attachments

SPRING AND HYDRAULIC CULTIVATORS



The DIR COMBI-P3F is a versatile cultivator designed for use with tractors ranging from 90 to 200 HP. Its unique 'Springs + Pistons' hybrid system combines the flexibility of spring-loaded cultivators with the power of hydro-pneumatic tillers.

Key Features and Innovation

· Total Versatility: Suitable for all soil types, whether loose, compacted, clayey or stony, and in dry or wet conditions.

· NO-STOP System: It instantly restores the working position after an obstacle is encountered, thereby protecting the machinery and eliminating downtime.

· Anti-Clogging Efficiency: The three-row configuration, which has increased row spacing, enables large quantities of crop residue to be managed without causing blockages.

· Agronomic Quality: The sharp-edged coulters till the soil to a depth of up to 25 cm without inverting the layers, thereby promoting oxygenation and water drainage.

Operational Benefits

· Fuel Savings: The geometry of the components minimises tractor slippage and maximises traction, thereby optimising fuel consumption.

· Comfort and Durability: The hybrid system absorbs vibrations to ensure operator comfort, while the use of high-strength steel guarantees a long service life and low maintenance costs.

· Weed Control: This dynamic action brings the roots of weeds to the surface, allowing them to die back naturally.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
COMBI-9/13P3F	IDRAULICO	248		357	25	1400	140-160
COMBI-9/15P3F	IDRAULICO	248	27,5	412	25	1550	120-180
COMBI-11/15P3F	IDRAULICO	302	27,5	412	25	1550	160-180
COMBI-11/17P3F	IDRAULICO	302	27,5	467	25	1700	180
COMBI-11/19P3F	IDRAULICO	302		522	25	1850	180-220

Optional accessories

Harrow Attachments
M-series depth wheels

SPRING-TINE CULTIVATORS



The CM-LM is the ideal machine for shallow tillage and seedbed preparation. Designed for use with tractors ranging from 50 to 80 HP, it can be used with great flexibility on loose, heavy or stony soils.

Key Features

· Compact Design: The short hitch keeps the implement close to the tractor, drastically improving manoeuvrability and stability.

· Dynamic Spring System: It reduces tractor slip and converts soil resistance into forward speed, ensuring significant fuel savings.

· Precision Work: The sharp-edged tines and independent working bodies break up large clods without altering the soil's stratigraphy.

· Environmentally Friendly: It aerates the soil, thereby promoting natural fertility and the management of organic matter, as well as ensuring uniform water penetration.

Advantages and Performance

· Optimal Depth: It is effective up to a depth of 25 cm and preserves the soil?s biological balance.

· Maximum Comfort: The spring system absorbs vibrations, making driving smoother and safer for the operator.

· Guaranteed Durability: The high-strength steel frame ensures minimal maintenance costs and a long service life.

· Single-Pass Effectiveness: Field tests have confirmed the system's excellent mulching capacity and weed control performance when exposed to the elements.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CM-7LM		190	27,5	190	25	340	60
CM-7/9LM	MANUALE	187	26,5	239	25	460	70
CM-9LM		228	25	228	25	430	70
CM-9/11LM	MANUALE	228	25	278	25	560	80

Optional accessories

Harrow Attachments

SPRING-TINE CULTIVATORS



The DIR CM-LP spring-loaded cultivator is the ideal solution for shallow tillage and optimal seedbed preparation, ensuring the soil is perfectly aerated and ready for planting.

Key Features, Operating Specifications and Field Test

· Total Adaptability to the Ground: Thanks to its fully independent, spring-loaded working bodies, this machine provides uniform tillage, even on uneven or varied surfaces.

· Energy Efficiency and Savings: Thanks to its innovative design, the tractor has improved traction, which drastically reduces slippage and lowers fuel consumption.

· Soil Fertility Preservation: The cutting-edge coulters are specially designed to break up clods of soil without inverting the layers, thereby preventing inert soil from being brought to the surface while retaining moisture and organic matter in the fertile layers.

· Robustness and Manoeuvrability: The compact, high-strength steel frame keeps the implement close to the tractor, making it easier to manoeuvre in confined spaces while ensuring the investment lasts a long time.

· Weed Control: The spring vibration system is designed to dislodge weed roots and expose them to the elements, allowing them to be naturally and mechanically devitalised.

· Working Depth: Thanks to its precision operation to a maximum depth of 25 cm, the machine is ideal for breaking up compacted soil.

· Test Results: On loamy, silty and clayey soils, the CM-LP has proven highly effective at refining and breaking up large clods, thereby reducing working times and optimally preparing the soil.

Technical Data

							
Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CM-7LP		190	27	190	25	390	60
CM-7/9LP	MANUALE	187	26,5	239	25	520	70-80
CM-9LP		235	26	235	25	500	80
CM-9/11LP		235	26	287	25	620	80-120
CM-9/13LP	IDRAULICO	235	26	339	25	860	100-140
CM-9/15LP	IDRAULICO	235	26	391	25	1050	120-180
CM-11/15LP	IDRAULICO	287	26	391	25	1050	140-180
CM-11/17LP	IDRAULICO	286	26	442	25	1250	140-180

Optional accessories

Harrow Attachments
Hydraulic tipping

SPRING-TINE CULTIVATORS



The CM-LP3F spring-loaded cultivator is a prime example of Di Raimondo's engineering excellence. It is designed for seedbed preparation and crop residue management. Built to work with tractors ranging from 100 to 250 HP, this machine loosens the soil to the required depth without disturbing its natural structure, ensuring proper aeration and water penetration to promote fertility. It is the ideal solution for farmers seeking the perfect balance between no-till cultivation and high-speed follow-up.

Key Features

· 3F' Anti-Clogging System: The three-row configuration, with its increased row spacing, allows for superior soil flow. This eliminates the risk of blockages, even when there is an abundance of crop residues or organic matter present.

· Total Independence of the Tines: Each spring is independent, ensuring flawless adaptation to the soil profile and uniform tillage even in varied field conditions.

· Preservation of Soil Stratification: The special, cutting-edge tines break up clods of soil without disturbing the layers, thereby preventing dry soil from reaching the surface and preserving moisture and natural fertility.

· Energy Efficiency: The spring system's dynamic action increases the tractor's traction, significantly reducing slippage and ensuring tangible fuel savings.

· Extreme Robustness: Constructed from high-strength steel and reinforced with leaf springs, the frame is designed to tackle stony or rocky ground without faltering.

· Operating Comfort: The spring system acts as a shock absorber, protecting the machine itself and minimising the vibrations transmitted to the operator in the cab.

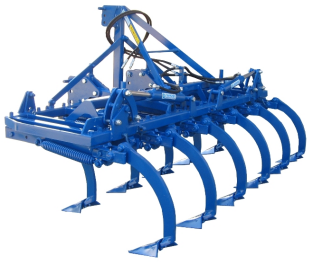
Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CM-9/13LP3F	IDRAULICO	235	26	287	25	1150	120-160
CM-9/15LP3F	IDRAULICO	235	26	391	25	1270	140-180
CM-11/15LP3F	IDRAULICO	287	26	391	25	1270	140-180
CM-11/17LP3F	IDRAULICO	287	26	443	25	1400	160-200
CM-11/19LP3F	IDRAULICO	287	26	495	25	1600	180-250

Optional accessories

M-series depth wheels

SPRING-TINE CULTIVATORS



Spring Tiller CM-P

The CM-P is a versatile, spring-loaded tiller designed for use with tractors ranging from 80 to 300 HP. It is the perfect machine for loosening and aerating all types of soil, from loose to tough or stony.

Key Features

· Reinforced Structure: The high-strength steel frame features leaf springs that provide flexibility and absorb vibrations to prevent breakages.

· Dynamic Efficiency: The 'intelligent' spring system provides constant traction, increases forward speed and reduces fuel consumption.

· Work Quality: It operates to a depth of up to 25 cm without disturbing the soil structure. Thanks to its independent tines, it can adapt perfectly to variations in the ground.

· Weed Control: The tines' action brings weed roots to the surface, encouraging them to die back naturally.

Operational Advantages

· Single Pass: It is capable of completing the tasks of loosening and shredding in a single pass.

· Comfort and Safety: It provides a drastic reduction in vibrations for the operator and maximum protection during use.

· Versatility: It is available in configurations ranging from nine to 21 tines, with either a fixed or a hydraulically folding frame.

The CM-P is a sound investment for those seeking long-term operational reliability and tangible improvements in soil fertility.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CM-9/11P	MANUALE	235	26	287	25	900	100
CM-9/13P	IDRAULICO	235	26	338	25	1170	120
CM-9/15P	IDRAULICO	235	26	390	25	1300	150
CM-11/13P	MANUALE	287	26	338	25	1040	120
CM-11/15P	IDRAULICO	287	26	390	25	1300	150
CM-11/17P	IDRAULICO	287	26	441	25	1600	150-200
CM-11/19P	IDRAULICO	287	26	495	25	1620	200-250

Optional accessories

Harrow Attachments

SPRING-TINE CULTIVATORS



Spring Tiller CM-P3F

The CM-P3F is a tiller designed for use with tractors that have a power rating between 140 and 300 HP. Its 3-row configuration with increased row spacing makes it ideal for operating at high speeds without the risk of clogging, even in the presence of abundant crop residues.

Key Features

· Anti-Clogging Design: The three-row design guarantees optimal residue management and increased working speeds.

· Flexible Frame: Made from high-strength steel and reinforced with leaf springs, it is flexible, requires less maintenance and is less prone to breakage.

· Total Adaptability: The independent working units allow the machine to excel on stony, loose or very heavy soils.

· Intelligent Spring System: It reduces tractor slippage, increases traction, and absorbs vibrations to improve comfort and fuel economy.

Agronomic Results

· Deep Tillage: It reaches a depth of 25 cm, breaking up the plough pan while leaving the soil structure intact.

· Efficiency in a Single Pass: It breaks up large clods of soil and promotes aeration and water penetration in a single pass.

· Natural Weed Control: It exposes the roots of weeds to the elements, which naturally depletes their vitality.

This model is a sound investment for those who require high productivity and maximum durability.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CM-9/13P3F	IDRAULICO	239	25	342	25	1400	140
CM-11/15P3F	IDRAULICO	289	25	392	25	1700	180
CM-11/17P3F	IDRAULICO	289	25	442	25	2000	200
CM-11/19P3F	IDRAULICO	289	25	492	25	2300	220
CM-11/21P3F	IDRAULICO	289	25	540	25	2600	300
CM-13/21P3F	IDRAULICO	339	25	540	25	2550	300

Optional accessories

Harrow Attachments

SPRING-TINE CULTIVATORS



Designed specifically for farmers who need equipment capable of operating with extreme precision in confined spaces, the DIR CM-SH model strikes the perfect balance between agility and power. This spring-loaded cultivator is ideal for managing orchards and olive groves with low-growing trees and delivers excellent performance in loose, loamy or stony soil. Its compact design ensures impeccable seedbed preparation and guarantees smooth operation, even in challenging conditions.

Key Features

· Standard Side Shift: This unique competitive advantage enables you to work with surgical precision, even under the lowest canopies, and reach areas that standard tools cannot access.

· Unprecedented Manoeuvrability: The robust yet compact frame is designed to sit very close to the tractor. The adjustable couplings reduce the overhang, making manoeuvring easier, even in tight spaces.

· Respect for Soil Structure: The spring-loaded working system, combined with the sharp edges of the coulters, effectively loosens the soil without disturbing its layers. This preserves the soil's natural fertility and improves its structure by distributing organic matter evenly.

· Reliability and Durability: The CM-SH model is constructed from high-strength materials, ensuring superior operational life and protecting your investment over time by withstanding continuous stress.

Field Test Results

The field test confirmed the machine's excellent operational stability. Thanks to its spring system, the machine responds effectively to uneven ground, while its compact design allows for total control when working beneath the canopy. Tilling is effective even in heavily cloddy soils, ensuring the implement always remains correctly aligned with the tractor.

· Maximum Working Depth: Up to 25 cm.

· Power Requirement: This is ideal for tractors with an output of between 70 and 80 HP.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CM-7/9SH	MANUALE	175	25	224	25	500	70-80
CM-9SH		224	25	224	25	470	70-80

Included accessories

Lateral displacement

HYDROPNEUMATIC CULTIVATORS



Hydropneumatic Tiller CH-LP

The CH-LP is a state-of-the-art cultivator designed for use with tractors ranging from 70 to 200 HP. It is the ideal solution for working in difficult conditions, such as clayey soils or those with a high concentration of stones and rocks. It ensures consistent performance in both extremely dry and wet conditions.

Innovations and Key Features

- NO-STOP Hydropneumatic System: The pistons connect the working components to the frame and absorb shocks and vibrations. The system instantly returns to the working position after an obstacle is encountered, without stopping the machine.
- Energy Efficiency: The mechanical geometry reduces tractor slip and increases grip on the ground, ensuring significant fuel savings.
- Indestructible Structure: It is built entirely from high-strength steel to withstand heavy loads and minimise maintenance costs.
- Ease of Use: It features an extremely simple initial oil adjustment system.
- Refinement in a Single Pass: It is capable of loosening and breaking up large clods of soil uniformly in a single pass.
- Soil Conservation: The sharp-edged coulters crack the soil to a depth of up to 25 centimetres, leaving the natural stratigraphy intact.
- Weed Control: The mechanical action exposes the roots of weeds to the elements, causing them to naturally die off.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CH-5/7LP	MANUALE	138	26	190	25	420	70
CH-7LP		190	26	190	25	390	70
CH-7/9LP	MANUALE	187	26,5	239	25	520	80
CH-9LP		235	26	235	25	500	80
CH-7/11LP	IDRAULICO	183	26	287	25	740	80
CH-9/11LP	MANUALE	235	26	287	25	620	100-140
CH-9/13LP	IDRAULICO	235	26	339	25	860	120-160
CH-9/15LP	IDRAULICO	235	26	390	25	1050	100-180
CH-11/15LP	IDRAULICO	287	26	390	25	1050	140-180
CH-11/17LP	IDRAULICO	286	26	442	25	1250	200

Optional accessories

Harrow Attachments
Hydraulic tipping

HYDROPNEUMATIC CULTIVATORS



Hydropneumatic Tiller CH-LP3F

The CH-LP3F is a technological advancement in seedbed preparation for challenging soils, such as clayey or stony ones. Designed for use with tractors ranging from 120 to 220 HP, it combines the power of a hydro-pneumatic system with a three-row configuration to deliver unparalleled performance.

Exclusive Features

· Anti-Clogging "3F" Configuration: Arranging components in three rows with increased spacing between them allows for high speeds and eliminates the risk of blockages caused by crop residues.

· Hydropneumatic NO-STOP Safety: The hydraulic pistons absorb shocks and vibrations, instantly returning the tractor to its working position after it encounters an obstacle.

· Traction and Fuel Efficiency: The mechanical geometry has been designed to minimise slippage and maximise traction, ensuring significant fuel savings.

· Structural Durability: Thanks to its high-strength steel frame, heavy loads can be withstood, drastically reducing maintenance costs.

Agronomic Performance

· Deep Tillage: It reaches a depth of 25 cm, breaking up the soil without disturbing its natural layers.

· Rapid Soil Preparation: One pass is enough to break up large clods of soil and prepare it evenly.

· Weed Control: The tines' action brings weed roots to the surface, where they are naturally devitalised by exposure to the elements.

Technical Data

Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
CH-9/11LP3F	MANUALE	235	26	287	25	840	120-140
CH-9/13LP3F	IDRAULICO	235	26	339	25	1110	140-160
CH-9/15LP3F	IDRAULICO	235	26	391	25	1220	140-160
CH-11/15LP3F	IDRAULICO	287	26	391	25	1220	160-180
CH-11/17LP3F	IDRAULICO	287	26	443	25	1350	180-200
CH-11/19LP3F	IDRAULICO	287	26	495	25	1530	200-220

Optional accessories

M-series depth wheels

HYDROPNEUMATIC CULTIVATORS



The DIR CH-P hydropneumatic cultivator from Di Raimondo represents the ultimate innovation in deep tillage and breaking up large areas of land. Designed to directly impact the soil structure, this machine promotes optimal drainage and aeration, ensuring maximum agronomic success, even in challenging conditions.

Key Features and Field Results

· One Pass Efficiency: The tines are designed to break up, refine and level the soil all in one go, doing away with the need for further tilling and significantly reducing soil compaction.

· Anti-Clogging System: The strategic arrangement of the working bodies ensures an uninterrupted flow of soil, even when there is a lot of crop residue present. This prevents machine downtime.

· Maximum Structural Robustness: The ultra-reinforced frame has been meticulously designed to withstand extreme stress and prevent deformation, ensuring it lasts a long time.

· Operational Optimisation: Thanks to its efficient hydropneumatic system, the machine provides exceptional stability during field tests, saving time and fuel.

Technical Operating Specifications

· Working Depth: It is capable of operating with consistent precision of up to 30 cm.

· Power Requirement: Depending on the model chosen, it is compatible with tractors ranging from 120 to 180 HP.

· Working Width: It is available in versions ranging from 2.50 to 3.00 metres, allowing large areas to be covered quickly.

Technical Data

						
Model	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	CM	CM	CM	CM	KG	HP
CH-9P	250	27.5	250	30	850	120-140
CH-9/11P	250	27.5	250-300	30	1300	140-180

Optional accessories

P-series depth wheels

HYDROPNEUMATIC VINEYARD CULTIVATORS



CH-V Hydraulic Pneumatic Tiller for Vineyards

The DIR CH-V is Di Raimondo's hydro-pneumatic tiller, which has been specifically designed for use in viticulture and confined spaces. Engineered to operate with surgical precision between rows, this cultivator works the soil while respecting its natural stratigraphy and promoting root aeration. This makes it the ideal tool for those seeking excellence in vineyard maintenance.

Key Features

· Extreme Agility and Care for the Tree: Thanks to its specially shaped frame and adjustable attachments, you can work under low canopies and in confined spaces without damaging branches or fruit.

· NO-STOP Hydropneumatic System: Thanks to its hydraulic pistons, this machine can easily overcome obstacles such as stones or roots, instantly restoring its working position without interruption.

· Comfort and Mechanical Protection: The system absorbs shocks and vibrations, thereby protecting the integrity of the frame, reducing mechanical stress on the tractor, and minimising operator effort and fatigue.

· Operational Efficiency and Savings: The tractor's grip on the ground is increased by the unique arrangement of the components, which reduces slippage and ensures immediate savings on fuel consumption.

· Soil and Weed Management: The sharp-edged coulters can break up even the toughest soils effectively, uprooting weeds and exposing their perennial roots to the elements so that they can be naturally devitalised.

· Guaranteed Longevity: The CH-V is a durable investment, constructed from high-strength steel to withstand wear and tear over time.

Performance and Field Test

The DIR CH-V stands out thanks to its adaptability to different soil types:

· Working Depth: With an operating depth of up to 30 cm, this machine is ideal for subsoiling without disturbing the soil structure.

· Results on Difficult Soils: During testing on medium-textured soils with a high silt and clay content, the CH-V showed exceptional performance in breaking up large clods in a single pass.

· Effectiveness on Hard Soil: This machine maintains constant traction and perfect inertia, ensuring an optimal seedbed, even on loamy, tough or stony soils.

Technical Data

						
Model	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	CM	CM	CM	CM	KG	HP
CH-5V	160	34,5	160	30	400	80-100

SPRING-TINE HARROWS



The DIR EM is a spring-tine harrow designed to level and finish previously tilled soil. It is an essential tool for preparing a perfect seedbed, working precisely on the surface layers to remove clods and level the soil in preparation for sowing. Thanks to its lightweight, flexible structure, it can cover large areas, ensuring uniform conditions that promote even, vigorous germination.

Key Features

· Total Ground Contact: The flexible structure is designed to closely follow the ground profile, ensuring a perfect fit for micro-reliefs and uneven surfaces without any areas being left uncovered or skipped over.

· Precision Levelling: Thanks to the vibrating springs, the implement evens out the unevenness caused by primary tillage, ensuring a flat, uniform surface.

· Operational Versatility: It is available in a wide range of widths, from 200 to 550 cm, allowing it to adapt efficiently to both small plots and large farm areas.

· Customised Setup: The mechanical adjustment system enables you to set the ideal depth according to the consistency of the soil, thereby ensuring the best possible finish every time.

· Di Raimondo Reliability: The frame is constructed from high-strength materials to ensure structural stability and exceptional longevity, even after prolonged use over large areas.

Technical Data

		
Model	**Working width**	**Weight**
	CM	KG
EM-7	200	70
EM-9	250	85
EM-11	300	100
EM-13	350	120
EM-15	400	140
EM-17	450	160
EM-19	500	180
EM-21	550	200

HYDROPNEUMATIC SUBSOILERS



RABBIT - Hydropneumatic Subsoiler

The DIR RABBIT is Di Raimondo's specialist solution, designed to deliver maximum performance in confined spaces. Ideal for use in greenhouses, vineyards and orchards, this compact subsoiler allows medium-horsepower tractors (60-90 HP) to effortlessly navigate even the toughest, stoniest terrain. Thanks to its optimised design, it turns challenging passages into smooth operations, improving soil aeration and promoting optimal drainage.

Key Features

· Hydropneumatic 'No-Stop' Technology: It brings the efficiency of large subsoilers to compact machines, absorbing shocks and vibrations to ensure uninterrupted operation, even when encountering stones.

· Extremely Compact Design: Thanks to its compact frame and adjustable couplings, the implement can be kept very close to the tractor, ensuring exceptional manoeuvrability at the ends of greenhouses and in narrow rows.

· Energy Efficiency and Traction: The hydraulic system creates a 'thrust' effect, increasing the tractor's inertia and grip and drastically reducing slippage and fuel consumption.

· Uncompromising Durability: Thanks to its high-strength steel construction, it offers superior longevity and minimised maintenance costs due to the protection of its mechanical components against impact.

· Superior Soil Preparation: In a single pass, it loosens the soil vertically, breaks up large lumps and brings weeds to the surface to be naturally devitalised.

Performance and Field Test

Tests carried out on various soil types, ranging from loose to medium-textured soils containing clay and silt, have confirmed the operational effectiveness of the DIR RABBIT.

· Working Depth: With a maximum working depth of 40 cm, it is ideal for breaking up compacted layers and improving soil productivity.

· Field Results: The machine has demonstrated its superior ability to break up the soil, ensuring uniform water penetration and effective aeration from the very first pass.

Technical Data

Model	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	CM	CM	CM	CM	KG	HP
RABBIT 3	130	55,5	130	40	340	50-80
RABBIT 3/5	140	30	140	40	430	50-90

HEAVY-DUTY HYDROPNEUMATIC CULTIVATORS



In line with Di Raimondo's design philosophy, the DIR HAMMER represents the ultimate evolution of the heavy-duty hydropneumatic cultivator. Designed specifically for breaking up and primary tillage of large areas, this machine can replace traditional ploughing and ensure deep soil regeneration and optimal seedbed preparation. It is the ideal solution for farmers and contractors working on challenging terrain who need to maximise their seasonal productivity.

Key Features

· One-Pass Efficiency: Thanks to the tines' unique angle, the machine can break up, work and level the soil in a single pass. This significantly reduces fuel consumption and working time in the field.

· Anti-Clogging Geometry: The arrangement of the working bodies in three wide rows ensures a consistent flow of soil. This design specifically eliminates the risk of blockages, even when there is a lot of biomass or crop residues, which overcomes the limitations of more compact cultivators.

· Ultra-Reinforced Frame: At the heart of the HAMMER lies a heavy-duty frame made from high-strength steel. This structure is designed to withstand extreme stresses during tillage without deforming, ensuring unrivalled longevity.

· Versatility and Transport: Despite its robust build, the range includes models with a 2.48 m hydraulic folding system that facilitates completely safe and compliant road transport.

· Hydropneumatic System: Thanks to its integrated hydropneumatic technology, the machine can adapt dynamically to uneven ground, ensuring constant operational continuity, even on tough soils.

Performance and Results in the Field

Field tests have confirmed the machine's exceptional operational stability. Working at a depth of 25-30 cm, the HAMMER breaks up the topsoil with precision, promoting proper soil drainage. The end result is a perfectly broken-up and levelled field, ready for the next stage of cultivation.

Technical Data

Model	**Folding**	**Overall Width**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	KG	HP
HAMMER-9/11	IDRAULICO	248	302	25-30	1800	120-180
HAMMER-9/13	IDRAULICO	248	357	25-30	2100	200-250
HAMMER-11/13	IDRAULICO	302	357	25-30	2100	200-250
HAMMER-11/15	IDRAULICO	302	412	25-30	2300	250-300

Optional accessories

P-series depth wheels

HYDROPNEUMATIC SUBSOILERS



The Di Raimondo RCH hydro-pneumatic subsoiler is a cutting-edge agricultural machine designed for deep soil cultivation of up to 40 cm. It is ideal for use with high-powered tractors of between 100 and 140 HP.

Here are the key features that define it:

· Hydropneumatic Technology: The system absorbs shocks and vibrations, thereby protecting the machinery and improving the tractor's traction. This reduces fuel consumption and the effort required for traction.

· Operational Efficiency: The 'open frame' design prevents blockages caused by crop residues or biomass, ensuring the machine operates continuously.

· Soil Regeneration: The special tines create perfect vertical cracks, break up clods of soil and bring weeds to the surface, killing them naturally.

· Robustness and user-friendliness: Made from high-strength steel for long-lasting durability, it has an integrated pressure gauge that allows you to quickly adjust the piston pressure according to the hardness of the soil.

Technical Specifications and Field Results

· Working Depth: The machine can operate at depths of up to 40 cm.

· Performance on Difficult Soils: During field tests, the RCH was found to be more stable on loose and medium-textured soils with a high clay and silt content.

· Constant Speed: The hydropneumatic safety system ensures consistent working speeds, even on wet ground or terrain with a high concentration of stones and rocks.

Technical Data

							
Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
RCH-5M-700		230	50	230	40	750	100
RCH-7M-700		280	42	280	40	1000	140
RCH-7/9M-700	IDRAULICO	280	42	370	40	1600	140

Optional accessories

L-series depth wheels
M-series depth wheels
P-series depth wheels

SHEAR-BOLT SUBSOILERS



RC-RP Subsoiler with Safety Shear Bolt

The RC, RAPTOR and PREDATOR series of rigid subsoilers from Di Raimondo are designed for deep soil aeration and regeneration.

Here is a summary of their main features:

Innovation and Mechanics

· Patented Lever System: It uses an exclusive safety bolt lever mechanism that reduces shear stress on the bolt itself and protects the frame from impacts with fixed obstacles.

· Ergonomic Maintenance: The safety system is positioned above the frame, enabling the bolt to be replaced quickly and safely.

· Anti-Clogging Design: The 'open frame' structure prevents the accumulation of biomass and crop residues, such as stalks, ensuring uninterrupted operation.

Performance and Savings

· Energy Efficiency: Thanks to their special shape, the tines reduce traction force, leading to fuel savings of over 30% compared to market standards.

· Working Depth: The RC and RAPTOR series reach 50 cm, while the PREDATOR series extends to 60 cm.

· Soil Versatility: It is effective on loose, heavy clay soils or those with a high stone content.

· Soil Improvement: Thanks to uniform vertical cracking, it promotes aeration, water drainage and root development.

· Stability in the Field: Thanks to its design geometry, the product ensures immediate penetration and constant stability, reducing overall working times.

Technical Data

							
Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
RC-5-230		230	53	230	50	830	120-140
RC-7-290		290	46	290	50	1050	160-180
RAPTOR-7		300	46	300	50	1380	200-300
RAPTOR-9	IDRAULICO	300	46	395	50	2100	300-400
PREDATOR-7		300	47	300	60	1900	200-300
PREDATOR-9	IDRAULICO	300	47	395	60	3000	350-400

Optional accessories

P-series depth wheels

TRAILED SHEAR-BOLT SUBSOILERS



Trailing Subsoiler with RC-RP Safety Bolt

Di Raimondo's trailed subsoilers offer unparalleled operational versatility for managing large areas. Designed to handle a wide range of soil types - from loamy to clayey - these machines are ideal for breaking up compacted soil, improving drainage and promoting optimal aeration. Their robust and dynamic structure ensures deep vertical cracking, preparing the seedbed in optimal conditions, whether in conditions of extreme drought or where stone is prevalent.

Key Features and Innovations

· Superior Energy Efficiency: Thanks to their aerodynamic design, the anchors minimise drag, ensuring fuel savings of over 30% compared to industry standards.

· Patented Lever System: The original safety bolt mechanism uses a unique lever system to reduce the shear force on the bolt itself. This protects the integrity of the frame and increases its longevity.

· Quick and Safe Maintenance: The safety system is positioned above the frame, enabling the operator to replace the bolt quickly and safely, thereby eliminating downtime.

· Anti-Clogging Design: The robust, open-structured frame is designed to prevent the accumulation of crop residues or biomass, ensuring impeccable performance even when tackling tough stubble.

· Structural Strength: These subsoilers are constructed from high-strength steel, enabling them to absorb severe stresses without becoming permanently deformed.

Technical and Performance Specifications

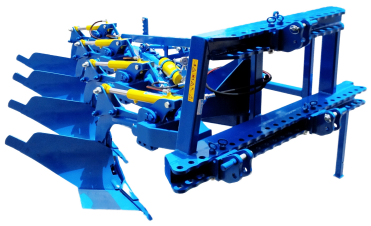
· Working Depth: The machine operates with a precision of up to 50 cm for the RC and RAPTOR series and up to 60 cm for the PREDATOR series.

· Field Test Results: During testing on medium-textured soils that were rich in clay and silt, the machines demonstrated exceptional stability and penetration capacity. This ensured optimal soil cracking in a single pass.

Technical Data

							
Model	**Folding**	**Overall Width**	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	TIPO	CM	CM	CM	CM	KG	HP
RAPTOR-9T	IDRAULICO	300	46	395	50	3900	300-400
PREDATOR-9T	IDRAULICO	300	47	395	60	5000	350-400

HYDROPNEUMATIC PLOUGHS



The T-REX is Di Raimondo's versatile solution for deep tillage: it ensures perfect crop residue burial and prepares the soil for high-quality seeding.

· Total Operational Versatility: Designed for both in-furrow and out-of-furrow operation via a mechanical system, adapting to various tractor configurations and field types.

· "No-Stop" Hydraulic System: Active protection that absorbs impacts with submerged obstacles, instantly restoring the working setup and preventing structural damage.

· Indestructible Structure: The frame is built with ultra-high-yield strength steel and high-resistance tubulars, specifically engineered to eliminate any risk of main beam deflection, even in the toughest soils.

· High Productivity and Continuous Flow: Large clearance between components (shank and moldboard) guarantees a constant flow of soil and residue, eliminating downtime caused by clogging.

· Agronomic Efficiency: The exclusive design of the working bodies breaks the plow pan and ensures deep aeration, improving water drainage and facilitating crop root development.

Technical Data

					
Model	**Row spacing**	**Working width**	**Working depth**	**Weight**	**Power**
	CM	CM	CM	KG	HP
T-REX-2/3L-250	36	75-100	25	900	80
T-REX-3/4L-250	36	110-145	25	1120	90
T-REX-4/5L-250	36	145-180	25	1350	130
T-REX-2/3M-300	38	75-115	30	1200	80-90
T-REX-3/4M-300	38	115-155	30	1450	100-120
T-REX-4/5M-300	38	155-190	30	1630	140-160
T-REX-2/3M-350	41	85-125	35	1250	90-100
T-REX-3/4M-350	41	125-165	35	1700	120-160
T-REX-4/5M-350	41	165-200	35	1900	180-200

Included accessories

Depth adjustment wheel

Optional accessories

Off-groove hydraulic head

IMPLEMENT CARRIERS



The CRP tool carrier is a fine example of Di Raimondo's engineering excellence for tracked tractors. Designed to transform any mounted implement into an efficient towed system, it optimises the machine's stability, ensuring superior performance on tough terrain and steep gradients.

Key Features and Operational Benefits

· Perfect Weight Balance: The intelligent geometry of the frame distributes weight to improve the grip of the tracks on the ground, thereby eliminating the risk of dangerous rear-end lifts and slippage.

· Fuel Savings: Thanks to the significant reduction in traction effort and slippage, the CRP delivers substantial savings in diesel consumption and reduces the strain on the engine.

· Total Operational Versatility: Thanks to its universal hitches, a wide range of implements (such as ploughs or subsoilers) can be attached without the need for modifications, thus safeguarding the integrity of the tractor's drawbar.

· Build Quality and Durability: The CRP is made from high-strength steel, so it is built to last. This minimises the need for maintenance and repairs.

· Precision in Operation: It ensures uniform mixing of crop residues and consistent soil refinement, thus optimising seedbed preparation.

Technical Details and Field Tests

Tests carried out directly in working fields have demonstrated the superior dynamic performance of CRP tool carrier.

· Working Depth: Both models are equipped with a precision mechanical depth adjustment system. This ensures consistent and uniform soil cultivation, which is vital for creating the perfect seedbed.

· Dynamic Performance: During manoeuvres at the headland, the balanced weight distribution prevents the load from putting pressure on the tractor's drawbar. This results in smooth handling and absolute stability, even in the most demanding conditions, with a constant, uninterrupted flow maintained by the machine.

Technical Data

		
Model	**Weight**	**Capacity**
	KG	KG
CRP-8	390	800
CRP-10	450	1000

IMPLEMENT CARRIERS



The Mammut tool carrier is the perfect link between the raw power of high-horsepower crawler tractors and the precision of modern agricultural machinery. Designed for machines without a three-point hitch, it transforms mounted implements into towed ones, allowing these 'giants of the earth' to be used to their full potential on any type of terrain.

Key Features and Operational Benefits

· Total Traction and Working Force: The frame is engineered to prevent slippage and getting stuck in the mud, ensuring that all of the tractor's power is converted into consistent traction, even in the most challenging and difficult soil conditions.

· Seedbed Precision: Thanks to impeccable load management, the coupled implement maintains an optimal and consistent working depth, ensuring uniform and seamless soil preparation.

· Energy Efficiency: Thanks to its optimised design, the required traction effort is drastically reduced, resulting in significantly lower fuel consumption and reduced wear on the tractor's mechanical components.

· Intelligent Balancing: The structure transfers the weight directly to the wheel axle during transport, thereby improving overall stability and protecting the tractor's mechanical components.

· Ultra-Robust Construction: The Mammut is designed to withstand extreme stresses, ensuring superior durability season after season. It is manufactured using the high-strength steels typical of Di Raimondo's production.

· Universal Versatility: It solves compatibility issues, allowing modern three-point implements to be used on heavy or older crawler tractors. This makes it a sound investment for modern farms.

Technical Data

		
Model	**Weight**	**Capacity**
	KG	KG
MAMMUT-15	740	1500
MAMMUT-20	960	2000
MAMMUT-25	1400	2500
MAMMUT-40	2800	4000

STONE PICKERS



The DUPLEX by Di Raimondo is a cutting-edge, multi-purpose agricultural machine designed to transform challenging, stony terrain into perfectly prepared seedbeds. Thanks to its exclusive bidirectional working system, this machine clears stones from the soil with surgical precision, optimising planting conditions by acting directly on the surface layer.

It is the ideal solution for farmers seeking a compact yet powerful tool that can prevent damage to downstream machinery and ensure uniform crop germination.

Key Strengths & Operational Advantages

· 2-in-1 Multi-Role System: This unique solution combines the efficiency of a trailed stone picker when driving forwards with the precision of a rear grilled bucket when driving backwards, enabling targeted finishing.

· High-Traction Frame: Its intelligent design ensures optimal weight distribution, preventing tractor slippage or 'front-end lifting' and providing superior driving comfort, even during delicate manoeuvres.

· Energy Efficiency: Thanks to its optimised design, the machine requires significantly less draft force, leading to substantial fuel savings and ensuring smooth operation, even in fields with high stone concentrations.

· Guaranteed Longevity: The DUPLEX is a secure investment, entirely constructed from high-tensile strength steel. It is built to withstand wear in the toughest soils while minimising maintenance costs.

· Simplified Operation: It is equipped with a hydraulic tipping system for the bucket, which allows for the quick and effortless discharge of stones directly from the driver's seat.

Field Test Results

During operational testing, the DUPLEX demonstrated extraordinary leveling and reclamation capabilities in record time. The machine maintains a constant working depth in the topsoil, ensuring a clean field with fewer passes. Even under the most demanding conditions, the tractor maintains a smooth pace, confirming the frame's effectiveness in minimizing snagging and resistance.

Technical Data

Model	**Overall Width**	**Row spacing**	**Working width**	**Weight**	**Power**
	CM	CM	CM	KG	HP
DUPLEX-1200	180	7	120	530	60
DUPLEX-1400	200	7	140	550	60
DUPLEX-1600	220	7	160	600	60

STONE PICKERS



Trailed Stone Collector - SP Series

The SP Series by Di Raimondo is the ultimate solution for agricultural land reclamation, offering a high-performance trailed collection system. Designed to transform uncultivated or problematic areas into perfect seedbeds, this machine is an essential piece of kit for farmers and contractors looking to protect their equipment and optimise soil structure. Thanks to its intelligent design and advanced hydraulic system, clearing fields becomes a smooth, fast and highly profitable operation.

Key Strengths & Operational Advantages

· Total Hydraulic Efficiency: All loading and unloading operations are fully automated and managed hydraulically from the tractor. This eliminates the need for manual work and drastically reduces downtime.

· Dual-Hopper System: The innovative design features a collection container that transfers material into a second discharge hopper once full. This allows volumes of up to one cubic metre of stones to be managed per cycle.

· Superior Stability and Traction: The perfect weight distribution and frame design eliminate snagging and slippage. This ensures constant tractor traction and significantly reduces fuel consumption.

· Discharge Versatility: This system enables high-precision unloading in any designated area, thereby maximising hourly field productivity.

· Fleet Protection: Removing stones and debris systematically prevents costly damage to ploughs, harrows and combine harvesters during subsequent soil preparation and harvesting.

· Extreme Longevity: The SP Series is built with high-tensile mechanical steel and is designed to withstand the stress of hostile terrain over time, significantly reducing maintenance costs.

Performance & Field Test Results

During real-world testing on high-density stony soils, the SP Series demonstrated extraordinary operational fluidity. The machine ensures perfectly leveled and reclaimed land in record time, maintaining impeccable ground adhesion even in the toughest conditions. The 8 cm tine spacing ensures accurate material selection, leaving the soil regenerated and production-ready.

Technical Data

Model	**Overall Width**	**Row spacing**	**Working width**	**Weight**	**Power**
	CM	CM	CM	KG	HP
SP-1400	180	8	140	1450	40-60
SP-1500	190	8	150	1480	60-70
SP-1600	200	8	160	1500	60-80

STONE PICKERS



Designed by Di Raimondo, the RST Stone Picker is a flagship machine that transforms harsh, stony surfaces into perfectly regenerated soils ready for seeding. Using a highly efficient trailed system, this machine carries out radical reclamation, clearing the ground of surface and subsurface stones that could damage subsequent machinery or hinder crop root development. It is an essential tool for farmers and contractors seeking a deep, fast and highly effective method of cleaning soil.

Key Strengths & Operational Advantages

· Exclusive Dual Hydraulic Hopper System: Unlike standard systems, the RST uses a two-stage mechanism to tip the load into a second discharge container, ensuring precise deposition of collected material every time.

· Dynamic Efficiency and Stability: Thanks to Di Raimondo's balance engineering, the tractor operates with superior fluidity, maintaining constant traction and preventing slippage, even on high-stone-density terrain.

· Maximum Tractor Protection: The intelligent frame optimises weight distribution to prevent the drawbar from becoming overloaded, thereby protecting the tractor's mechanical integrity and enhancing the driving comfort of the operator.

· Extreme Durability: The RST is built with high-tensile mechanical steel and is engineered to withstand abrasive stress and constant impacts. This minimises maintenance requirements and preserves investment value over time.

· Cost Optimization: The ability to clear land at record speed drastically reduces the number of passes required, thereby cutting fuel consumption and reducing wear and tear on downstream equipment.

Performance & Field Test Results

During technical tests conducted on particularly tough soils, the RST demonstrated an optimal working depth for managing stone residues, ensuring a uniform seedbed and perfectly levelled ground. The hoppers have a 1.5 cubic metre capacity and are fully hydraulically managed, allowing for smooth, continuous operation and eliminating the downtime typical of manual collection or less advanced mechanical systems.

Technical Data

Model	**Overall Width**	**Row spacing**	**Working width**	**Weight**	**Power**
	CM	CM	CM	KG	HP
RST-1500T	205	6,5	170	2350	80-100

GRAPPLE STONE BUCKET



The DIR PGA Grapple Stone Bucket by Di Raimondo is a top-of-the-range attachment designed for agricultural land reclamation. It ensures impeccable soil clearing and immediate loading of stone residues. Thanks to its innovative hydraulic 'bite' system, the machine operates as a highly precise grapple, enabling stones to be collected directly from the ground and transported without any loss of load. It is the ideal solution for farmers and professionals who need a robust tool to prepare clean, flat fields for subsequent agricultural phases.

Key Features & Strengths

· Total Operational Versatility: It is engineered for both front-end loaders and rear tractor attachments, enabling the operator to adapt the working configuration to the specific characteristics of the field.

· Anti-Loss "Bite" System: The specialised hopper geometry and 'bite' design ensure that no collected stones are lost during manoeuvres or transportation, permanently solving the typical load-loss issues of traditional equipment.

· Special Hardox Steel Tines: The front section is fitted with Hardox tines, which are renowned for their exceptional abrasion and impact resistance. Their downward-facing angle is designed to facilitate smooth entry and optimal penetration, even in the toughest soils.

· Surgical Efficiency and Precision: During field tests, the PGA proved to be highly stable, enabling significant time savings and precise collection, even in areas with scattered stony outcrops or localised accumulations.

· Indestructible Build Quality: Its high-tensile steel construction prevents frame torsion and deformation, ensuring exceptional longevity, even in hostile and heavy-duty environments.

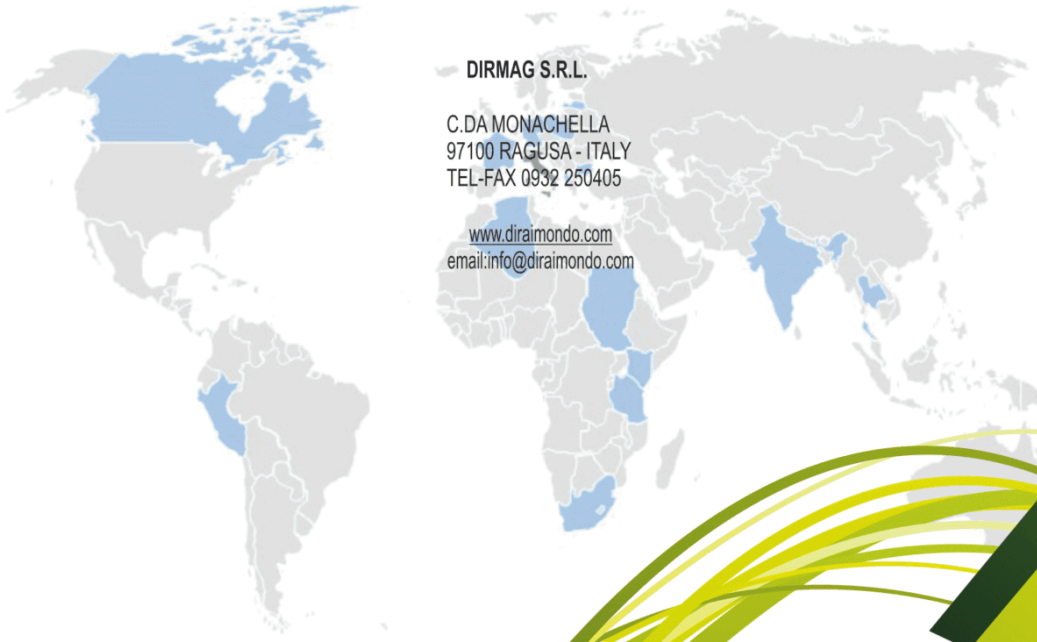
· Soil Structure Preservation: The operational depth range has been specifically designed to work on the surface layer, managing stone residues while leaving the deep structure of the soil intact.

Technical Data

		
Model	**Working width**	**Weight**
	CM	KG
PGA-230	230	650
PGA-250	250	680

DI RAIMONDO

MACCHINE AGRICOLE - AGRICULTURAL MACHINES - MACHINES AGRICOLES



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