



Farm, Horticulture and Garden Equipment



**STONE and CLODS BURIERS "ROTOSTONE - FRANGITER"
with REAR ROLLER**



www.massanosnc.com

FOR OVER 30 YEARS
WE DESIGN AND PRODUCE MACHINES
FOR LAND WORKING

A wide range of stone buriers with rear roller for all type of soils
that allows you to save time, energy and money

Rotostone Massano: one machine... one person... one pass

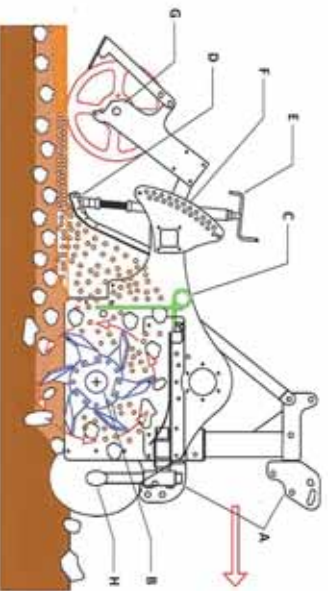
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Call and trust us: producing agricultural machines is our life

ROTOSTONE SYSTEM: the agricultural breakthrough



This three point (A) mounted machine, when hitched to a tractor of appropriate horsepower, has proven to be ideal for the elimination, in one pass, of stones and vegetable residues on the surface.

The heart of the machine is the blade rotor (B), composed of specifically designed blades whose counter-rotation throw stones, dirt, weeds and debris against the selection grill (C). The coarse material that is stopped by the grill, falls in the trench made by the working depth of the rotor, and is covered by the fine earth that passed through the selection grill and it is lightly pressed by the edge of the trailing board (D), forming a perfect seedbed with pressure controlled by the crank handle (E).

The selection grill, in addition to having the function of sifting the soil, allows the operator to work in especially heavy conditions. The vibrating system guarantees the constant cleaning of the spring tines even in conditions of moist or wet soil, obtaining the continuous flow of dirt. Furthermore, the ability to change the working angle of the selection grill allows the operator to work more deeply with less power.

The working depth is adjustable from 5 to 35 cm (5-22 cm RSG, 5-22 cm RSL, 5-24

cm RSC, 5-30 cm RSE, 5-35 cm RSE Plus), using a special system of pins (F) that determine the position of the rear roller (G).

The side discs (H) are positioned in front of the machine to greatly facilitate the penetration and depth by opening a narrow trench that keeps the shield for the side chain drive from dragging before the rotor.

The large choice of accessories available for the stone burier allow the operator to work in different sectors:

- Creation and maintenance of green areas, horticulture, flower nurseries, golf course development and maintenance, remediation and inter-row weeding; vineyards-orchards-nurseries

To allow the stone burier to work in such different soil's conditions, Massano company has researched and developed two types of rotors:



Rotostone

Used to bury stones, vegetables residues such as roots, harvest remains and small sticks by means of specially designed tiller blades that, in the soil, pull out the stones and throw them against the selection grill.

In the photograph is shown the rotor with the special tiller blades mounted on double flanges.



Franglier

Used to fracture and bury the hard clods present in especially dry soils with high clay content by means of special tools called blades which, in clay soils, break up the clods and throw them against the selection grill.

In the photograph is shown the rotor with the special blades mounted on the inclined flanges.

The advantages of Rotostone System

The Rotostone system, when used in agriculture, allows the improved management of the soil and direct seed or transplanted cultivations, substantially reducing the germination time (a reduction of three days in the harvest of lettuce) and an increase in production yields.



All of these reasons have allowed our equipment to achieve a high level of quality in both the dependability during the working phase and the results obtained after planting or transplating.

For these valid reasons many farmers from many countries have chosen to come to the Rotostone system, abandoning the earlier methods of ploughing and tilling.

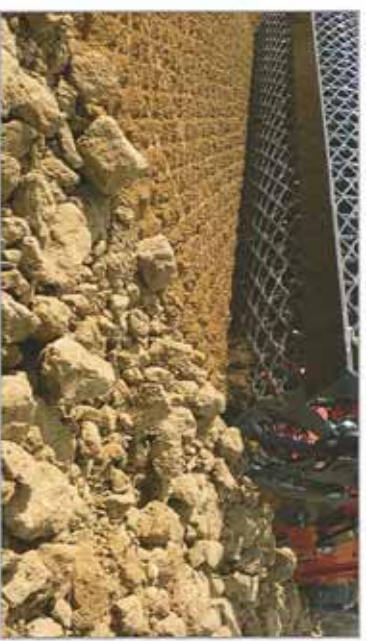
These results were proven in test trials done in conjunction with the central research department of Agricultural University of Lyon France, where comparisons were done on the same test plots of land with other machines such as tiller/bedshapers and power harrows.

The blade rotor turns in a direction counter to that of a typical tiller.

This type of work develops a breakup of the soil from the bottom to the top without compacting the bottom

layer, replicating the action of a spade, but with the difference of sifting out and burying, in one pass, clods, stones and vegetable residues, achieving a fine, loose top layer of soil that allows easier and more accurate seed planting and transplanting, and at the same time improving the ability of the soil to drain.

This principle does not apply to the normal tiller that works the soil in a downward direction, and at a working speed that results in a varying quality of finish. Therefore, in clay soils or those lacking in organic matter, there occurs a major compaction of the soil and a reduction in the soil's ability to drain.



ROTOSTONE TYPE RSH WITH REAR ROLLER

For tractors from 15 to 30 HP

Built with a working width from 85 to 145 cm, required power from 15 to 30 HP and working depth from 5 to 15 cm. RSH stone burner can be used to mill the soil and bury stones or old lawns.

Designed to work on light soil for handcrafts and gardening.



TYPE	85		110		130		145		175		200		230		250	
	cm	HP	cm	HP	cm	HP	cm	HP	cm	HP	cm	HP	cm	HP	cm	HP
085 RSH	85	16	110	20	130	24	145	28	175	32	200	36	230	40	250	44
105 RSH	105	20	135	24	155	28	175	32	200	36	230	40	250	44	280	48
125 RSH	125	24	155	28	180	32	200	36	230	40	250	44	280	48	310	52
*145 RSH	145	28	175	32	200	36	230	40	250	44	280	48	310	52	340	56

*Available only on request.

ROTOSTONE TYPE RSH M WITH REAR ROLLER

For tractors from 25 to 80 HP

Built with a working width from 105 to 185 cm, required power from 25 to 80 HP and working depth from 10 to 22 cm. RSH-M model is used successfully in the preparation of green areas and in horticulture.

Designed to work on light soil with stones that have a diameter from 10 to 20 cm.



TYPE									
	cm	cm	mm	HP	cm	mm	kg	cm	
105 RSH-M	105	135	400	20/30	250	25-30	290	450	30/22
125 RSH-M	125	135	400	24/36	250	30-35	290	480	30/22
145 RSH-M	145	135	400	28/42	250	35-40	290	510	30/22
165 RSH-M	165	195	400	32/48	250	40-50	290	540	30/22
*185 RSH-M	185	215	400	36/54	250	50-60	290	565	30/22

*Available only on request.

ROTOSTONE TYPE RSG WITH REAR ROLLER


For tractors from 40 to 80 HP

Built with a working width from 125 to 185 cm, required power from 40 to 80 HP and working depth from 10 to 22 cm. RSG stone burier is used mainly by small horticultural companies and in gardening sector where customers need a solid and light machine with strong components.



Designed to work on soil with stones that have a diameter from 10 to 20 cm.



TYPE	 cm		 cm		 mm		 HP		 rpm		 Hq		 mm		 kg		 cm	
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	max
125 RSG	125	185	15	420	420	420	24/75	2100	40-50	300	640	10/22	10/22					
145 RSG	145	185	15	420	420	28/62	2100	50-60	360	700	10/22	10/22						
165 RSG	165	205	15	420	420	32/48	2100	60-70	360	770	10/22	10/22						
185 RSG	185	225	15	420	420	36/54	2100	70-80	360	830	10/22	10/22						

ROTOSTONE TYPE RSL WITH REAR ROLLER

For tractors from 60 to 110 HP

Built with a working width from 125 to 250 cm, required power from 60 to 110 HP and working depth from 15 to 25 cm, RSL stone burier is used mainly by horticultural companies that need a solid and light machine with strong components.

Designed to work on soil with stones that have a diameter from 10 to 25 cm.



TYPE	mm		cm		mm	H ²	H ²	mm	HP	mm	mm	mm	mm	mm
	1	2	1	2										
125 RSL	125	165	420	420	24/96	200	60-70	350	770	15/25				
145 RSL	145	185	420	420	28/42	250	60-80	360	800	15/25				
165 RSL	165	205	420	420	32/48	260	60-80	360	880	15/25				
185 RSL	185	225	420	420	36/54	260	60-80	360	960	15/25				
210 RSL	210	250	420	420	40/60	260	80-100	360	1040	15/25				
230 RSL	230	270	420	420	44/66	260	80-100	360	1120	15/25				
250 RSL	250	290	420	420	48/72	260	90-110	350	1200	15/25				

ROTOSTONE TYPE RSC WITH REAR ROLLER

For tractors from 70 to 120 HP

Built with a working width from 145 to 250 cm, required power from 70 to 120 HP and working depth from 15 to 25 cm. RSC stone burler is used mainly by horticultural companies that need to work on hard soils.

Designed to work on soil with stones that have a diameter from 15 to 25 cm.



TYPE	H		H		W	W	T	T	H	W	W	G	G
	cm	cm	cm	cm									
145 RSC	145	185	460	460	28	360	70-80	70-80	480	980	15/25	15/25	15/25
165 RSC	165	205	460	460	32	260	70-80	70-80	480	1060	15/25	15/25	15/25
185 RSC	185	225	460	460	36	260	70-80	70-80	480	1140	15/25	15/25	15/25
210 RSC	210	250	460	460	40	260	80-100	80-100	480	1220	15/25	15/25	15/25
230 RSC	230	270	460	460	44	260	80-100	80-100	480	1300	15/25	15/25	15/25
250 RSC	250	290	460	460	48	260	90-120	90-120	480	1380	15/25	15/25	15/25

ROTOSTONE TYPE RSE WITH REAR ROLLER

For tractors from 80 to 160 HP

Built with a working width from 145 to 360 cm, required power from 80 to 160 HP and working depth from 15 to 30 cm. RSE stone burier is used in different branches where customers have to work in extreme conditions.

Designed to work on soil with stones that have a diameter from 15 to 25 cm.



TYPE										
	cm	cm	mm	HP	mm	mm	mm	mm	Kg	cm
145 RSE	145	185	640	20/42	240	80-100	480	1390	1340	15/30
145 RSE	145	205	540	32/48	240	80-100	480	1340	1340	15/30
185 RSE	185	225	540	16/54	240	90-100	480	1390	1390	15/30
210 RSE	210	250	540	40/60	240	100-120	480	1510	1510	15/30
230 RSE	230	270	540	44/66	240	110-130	480	1590	1590	15/30
250 RSE	250	290	540	48/72	240	120-140	480	1680	1680	15/30
270 RSE	270	310	540	52/78	240	130-150	480	1780	1780	15/30
300 RSE	300	340	540	60/90	240	130-160	480	1900	1900	15/30
320 RSE	320	360	540	64/96	240	130-160	480	2200	2200	15/30
360 RSE	360	400	540	72/108	240	130-160	480	2400	2400	15/30

ROSTOSTONE TYPE RSF WITH REAR ROLLER

For tractors from 90 to 160 HP

Built with a working width from 185 to 300 cm, required power from 90 to 160 HP and working depth from 15 to 30 cm. RSF stone burier is a professional machine built to work on clayey and hard soils. The exclusive Franglier rotor and its high rotation speed allow to break up the clods evenly. Franglier technique and the solid side



transmission by gears allow to achieve more reliability and duration of the machine during the years even in extreme conditions.
Design to work on soil with clods.



TYPE	cm		cm		mm		N°		mm		mm		kg		cm	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
185 RSF	185	225	560	560	66	340	80-120	480	1320	15/20						
210 RSF	210	240	560	560	84	340	90-120	480	1430	15/30						
210 RSF	210	270	560	560	90	340	100-120	480	1520	15/30						
230 RSF	230	290	560	560	96	340	100-130	480	1630	15/30						
270 RSF	270	310	560	560	102	340	120-150	480	1800	15/30						
300 RSF	300	340	560	560	114	340	130-160	480	1870	15/30						

ROTOSTONE TYPE RSE PLUS WITH REAR ROLLER

For tractors from 150 to 240 HP

Designed to work on soil with stones that have a diameter from 15 to 30 cm.

Built with a working width from 250 to 400 cm, required power from 150 to 240 HP and working depth from 15 to 30 cm. RSE PLUS stone burier is used in different branches where the customers have to work in extreme conditions with the possibility to reach high working depths in every situation.



TYPE							
250 RSE-PLUS	250	280	310	340	360	380	400
270 RSE-PLUS	270	310	340	360	380	400	440
300 RSE-PLUS	300	340	360	380	400	440	480
320 RSE-PLUS	320	360	380	400	440	480	540
360 RSE-PLUS	360	400	440	480	540	600	600
*400 RSE-PLUS	400	440	480	540	600	600	2500

*Available only on request.

ROTOSTONE TYPE RSE PLUS.2 WITH REAR ROLLER

For tractors from 150 to 360 HP

Built with a working width from 340 to 600 cm, required power from 150 to 360 HP and working depth from 15 to 30 cm. RSE PLUS.2 stone burier is used mainly by third parties and large horticultural companies in order

to improve the preparation of the seeding bed with one pass.
Designed to work on soil with stones that have a diameter from 20 to 25 cm.



RSE PLUS.2												
TYPE												
	cm	cm	mm	HP	rpm	HP	mm	kg	cm	cm	cm	cm
340 RSE-PLUS.2	340	380	540	64/96	300	130-150	480	2380	15/20	15/20	15/20	15/20
360 RSE-PLUS.2	360	400	540	77/108	300	130-160	480	2830	15/20	15/20	15/20	15/20
420 RSE-PLUS.2	420	460	540	80/120	300	160-180	600	3050	15/20	15/20	15/20	15/20
440 RSE-PLUS.2	440	500	540	88/132	300	180-200	600	3200	15/20	15/20	15/20	15/20
500 RSE-PLUS.2	500	540	540	96/144	330	200-220	600	3460	15/20	15/20	15/20	15/20
540 RSE-PLUS.2	540	580	540	104/156	330	220-240	600	3710	15/20	15/20	15/20	15/20
600 RSE-PLUS.2	600	640	540	120/180	330	240-280	600	3960	15/20	15/20	15/20	15/20

ROTOSTONE TYPE MEGA WITH REAR ROLLER

For tractors from 140 to 240 HP



Built with a working width from 400 to 600 cm folding, required power from 140 to 240 HP and working depth from 15 to 30 cm.

ROTOSTONE MEGA is a series of folding stone buriers and it is addressed to medium-large horticultural companies. The use of high flexibility materials and the special design of the central frame allow to contain the machine's weight and to keep a high quality standard.



All these features allow to use tractors with medium-high powers with working widths bigger than the standard ones.
Designed to work on soil with stones that have a diameter from 20 to 25 cm.

TYPE																
	cm	cm	cm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
360 MEGA	360	400	400	520	72/108	72	280	280	140-160	480	2560	15/30	15/30			
420 MEGA	420	460	460	520	80/120	80	280	280	160-170	480	2710	15/30	15/30			
440 MEGA	440	500	500	520	88/132	88	280	280	170-180	480	2940	15/30	15/30			
500 MEGA	500	540	540	520	96/144	96	280	280	180-240	480	3120	15/30	15/30			

ROSTOSTONE TYPE TITAN WITH REAR ROLLER

For tractors from 180 to 360 HP

Built with a working width from 420 to 720 cm folding, required power from 180 to 360 HP and working depth from 15 to 30 cm.

ROSTOSTONE TITAN RSE is a series of folding, stone and clods buriers addressed to third parties and large companies. Its particular frame design allows to limit the

size during transport: 2,8 meters for 420/460/500/540 models and 3 meters for 600 & 720 models.

Designed to work on soil with stones that have a diameter from 20 to 25 cm.



TYPE	cm		mm		HP	rpm		HP	mm		kg	cm	
	cm	cm	mm	mm		rpm	rpm		mm	mm		cm	cm
420 TITAN-RSE	420	460	540	540	80/120	300	300	180-200	600	3690	3690	15/30	15/30
460 TITAN-RSE	460	500	540	540	88/132	300	300	200-220	600	3850	3850	15/30	15/30
500 TITAN-RSE	500	540	540	540	96/144	300	300	220-240	600	4180	4180	15/30	15/30
540 TITAN-RSE	540	580	540	540	104/156	300	300	240-260	600	4530	4530	15/30	15/30
600 TITAN-RSE	600	640	540	540	120/180	300	300	260-280	600	5060	5060	15/30	15/30
720 TITAN-RSE	720	700	540	540	144/216	300	300	300-360	600	5630	5630	15/30	15/30



ROTOSTONE TYPE EXTREME WITH REAR ROLLER

For tractors from 100 to 360 HP



Built with a working width from 145 to 600 cm, required power from 100 to 360 HP and working depth from 15 to 38 cm. EXTREME stone burier can achieve a high quality result in extreme conditions without deforming the machine's frame.

Designed to work on soil with stones that have a diameter bigger than 30 cm.

Machine realized only on customers' request.



MAXI

The side transmission is higher than the standard ones.
For machines with working width from 145 to 210 cm the transmission is through reinforced chain while for machines with working width from 250 to 500 cm the transmission is by gears.

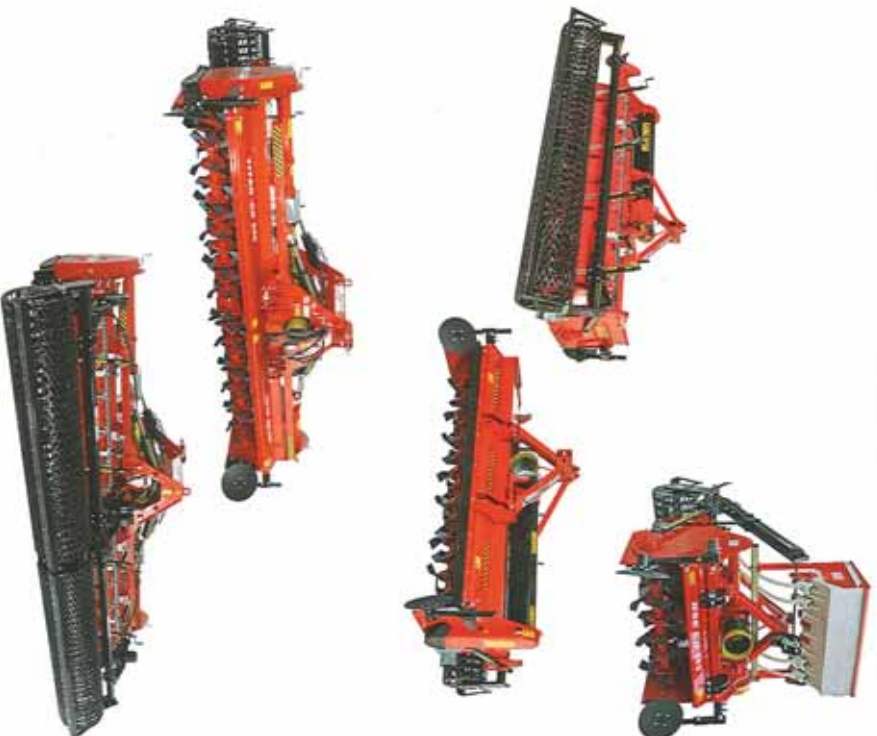


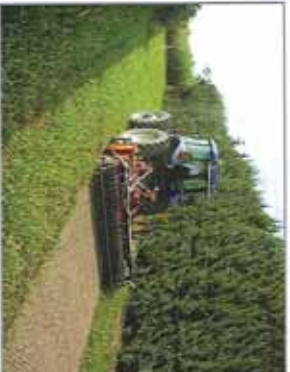
Realized only on CUSTOMER's request



The distance between the two drive shafts is bigger than usual, this allows a greater space between the rotor and the frame.

This system allows to the Extreme type to work in every condition with stones with diameter bigger than 30 centimetres.









FERRISIO
MERCURIO D'ORO®



Massano A. di Massano Valerio & C. s.n.c.
Via Castiglione, 4 - Fr. Cavallotti - 12038 Savigliano (CN) Italy
Tel. +39 0172 377167 - Fax +39 0172 377014
info@massanobros.it - www.massanobros.it



SOLEX CORP
220 S. JEFFERSON ST
DIXON, CALIF 95820
PHONE 707-478-9533
www.solexcorp.com