



GREEN LINE

*machines and plants for waste
recycling and composting*

Transforming waste for the environmental defense



THE EXPLOITATION OF WASTE FOR A SUSTAINABLE DEVELOPMENT

In these last years we have witnessed a more and more growing conscience rising in the various national policies, based on the necessity of orientating the economy towards a sustainable development. All over the world, measures and incentives are being studied for operating in this direction both in the primary and industrial sector. One of the central points of such sustainable development policies is definitely the one regarding the waste management of human activities for the environmental defence. Particularly, the organic fraction of wastes can be valued through suitable processes of transformation. In fact organic waste, which represent a relevant part of the total municipal solid waste (about 40% in the industrialised Countries), can be re-inserted into the natural cycle of organic substance for its balance settling. In this way, the composting process proves to be one of the most correct and effective instruments as it allows the reproduction, in a short time and in a small place, what happens in nature by turning precious organic compounds into a stable and hygienised compost, which otherwise would be thrown into dumps.

SEKO proposes itself in this context through a line of machines particularly indicated for a proper organic waste management, through the recycling and composting process able to obtain the best results under both a technical and economical point of view.

Its activity at an international level includes the supply of machines for different treatments such as: Bio-Chopper-Mixers, Bio-Choppers in continuous cycle, Self-propelled Turning Machines, Selection Screens, Bag opener bio-mixers.



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BIO-CHOPPERS IN CONTINUOUS CYCLE WITH HIGH OUTPUT

CONSTELLATION *series*



The CONSTELLATION series offers a line of continuous cycle Bio-Choppers, particularly suitable for the processing of any organic and woody product, prunings from the maintenance of the green, even of medium size, market waste, pallets, bulky and any other landfill product, that are shredded quickly and accurately.

These powerful Bio-Choppers, adopt an original technique

with slow-motion rotors, which allows for a homogeneous shredding and defibration of the products that is important operation for carrying out a regular composting process.

The following versions are available:

- self-propelled with diesel engine
- stationary with electric motor
- trailed by tractor power.



maximum
power
for high
performance

BIO-CHOPPERS IN CONTINUOUS CYCLE WITH HIGH OUTPUT

CONSTELLATION series 6000-7000

The Self-propelled CONSTELLATION series, equipped with two powerful ecological diesel engines of the last generation, adopts a hydrostatic system of translation for remotely controlled moving during the work. Easy to use, these Bio-Choppers in continuous cycle develop amazing performances thanks both to their high chopping capacity and to the chopping and dissecting quality they confer to the product.

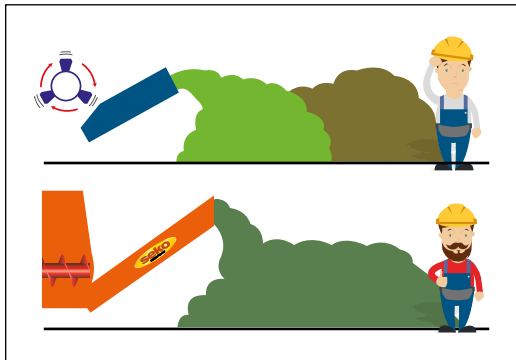
Made of special wear-resistant materials, these machines are able to process even very humid and abra-

sive products, and represent the ideal solution in those cases where rapidity of execution and operation economy are the successful elements of the work.

Thanks to the peculiar constructive characteristics of such machines, the products are processed with a much lower effort compared to other similar machinery, thus ensuring a remarkable energy saving (~ 30/50%) as well as a perfect and homogenous size, particularly suitable for the following screening operation.



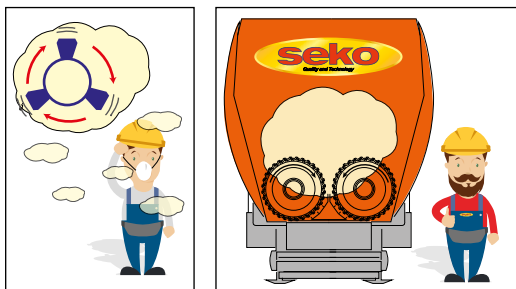




Seko system simultaneously chops and homogenises the products



Seko system, at low rpm, avoids throwing products within the working area



Seko system allows working without dust condition even with dry products



Thanks to Seko original patented chopping system, work is almost noiseless



The low rpm grant a high output and a low wearing of the blades and all wearable elements

THE ADVANTAGES OF USING SEKO MACHINES

The present technological scene of the Bio-Choppers mostly proposes machines equipped with hammered high rpm rotors demanding high power absorption with consequent greater investments and operation costs. In order to satisfy the new evolving needs of this sector, we developed an innovative technology, simple and reliable, offering several advantages in comparison with the traditional machines.

The Bio-Choppers CONSTELLATION series, thanks to their operational characteristics granted by a coordinated movement of two powerful low rpm chopping shafts, made of special wear-resistant steels, fitted with particular chopping blades and counter-blades, can ensure:

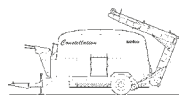
- ◆ Lower power absorption under the same output (-30/50%~) and better operation economy
- ◆ Limited wearing of the chopping elements and reduced maintenance thanks to low speeds
- ◆ Drastic reduction of noise during the operation cycle
- ◆ Elimination of any dust generation during the process of dry products
- ◆ Elimination of any danger caused by the throwing of the product
- ◆ Safety and comfort for the operator without any atmospheric or acoustic pollution
- ◆ Quick sequence input of significant quantities of product thanks to the big loading capacity of the hopper without any jamming

The waste Bio-Choppers market has been undergoing a deep transformation, and today it's demanding polyvalent machines able to process different products having high performance and matching their power absorption.

The Bio-Choppers CONSTELLATION Series, thanks to their powerful chopping apparatus with low rpm developing a high output, become indispensable machines both for composting and dump yards whenever you need a quick and perfect chopping of the various products, both for composting as well as for volume reduction purposes.

Pruning coming from landscape maintenance, markets and cumbersome wastes and much more are devoured by two powerful rotors equipped with special chopping blades.

BIO-CHOPPERS CONSTELLATION SERIES



TRAILED VERSION

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
CONSTELLATION 6000/200-T	8257/325	2535/100	3228/127	20/706	11100/24471	148/198	100/230 - 3531/8122
CONSTELLATION 7000/300-T	9370/369	3369/132	3723/146	30/1059	15000/33069	222/298	180/330 - 6357/11653



STATIONARY VERSION

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
CONSTELLATION 6000/200-ME	10278/405	2179/85	4728/186	20/706	12500/27558	180/241	100/230 - 3531/8122
CONSTELLATION 7000/300-ME	12078/475	2499/98	4560/179	30/1059	19700/43431	270/362	180/330 - 6357/11653



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N° 1



WATCH
THE VIDEO
N° 2



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THE VIDEO
N° 3

Remark: The length of all above mentioned model is meant with closed discharge conveyor.

The descriptions and illustrations in the present catalogue are just indicative and not bounding. SEKO reserves the right to bring the most appropriate modifications to the machines without previous notice.

BIO-CHOPPER-MIXERS

SAM 5 / SAM 7 series



discover the advantages
of a simple,
reliable and efficient
technology



Chopping and mixing are basic operations that must be realised through specific equipment.

The peculiar characteristics of the Bio-Chopper-Mixers SAM 5 and SAM 7 series allow to obtain a balanced dissection and chopping, even of wooden materials, giving the output the characteristics suitable for the micro organisms action.

Furthermore, during the chopping process, the material is also actively mixed, a particularly positive fact for two or more kinds of composting products with a different degree of fermentation (for ex. wood and branches are generally little fermentative, whereas grass, the OFMSW - the Organic Fraction of Municipal Solid Wastes - and zootechnical

dejections are very fermentative). The chopping and mixing are performed by the fibre-dissecting action and laceration of two special slow-motion opposite-rotating spiralled shafts with convergent windings, fitted with original blades and counter-blades favouring the fibre dissecting of wooden products. It is very important that all this process avoid chips and sawdust production. The presence of a certain share of woody and non-crumbled parts ensures a balanced aeration of the mass. Moreover, a correct porosity enables the exceeding water evaporation, creating in this way an important total reduction of the lump during the composting process.

THE MIXING OF MATERIALS WITH DIFFERENT FERMENTATION DEGREE, GUARANTEED BY TWO SPIRALLED SHAFTS WITH CONVERGENT WINDINGS, GIVES THE POSSIBILITY OF:

- ◆ Obtaining a balanced C/N ratio (the correct value is 25-30 to 1)
- ◆ Helping the air permeability and the oxygen diffusion inside the windrow (a contribute to this process is given by the windrow structure and the turning operations periodically executed)
- ◆ Reaching the water level slightly higher than 50% (in fact grass and the OFMSW have a too high water content which can often exceed 80%).

SAM 5 / SAM 7 series

Bio-chopper-mixers

Diesel version

In the diesel engine version flexibility and safety are the main characteristics. These qualities are particularly enhanced by the hydrostatic control transmission with an automatic reversing system of the rotation sense of the chopping shafts, so to safeguard them when some foreign objects accidentally get into the machine. They are equipped with powerful ecological engines of the last generation, certified as to the emissions subject.

Thanks to low noise and long lasting, these engines guarantee high torque and power with the maximum efficiency in the diesel consumption.

The positioning of both the engine compartment and the centralised control board are easily reachable, so that the operator can freely perform any inspection and maintenance operation.





SAM 5 / SAM 7 series

Stationary Bio-chopper-mixers

The SEKO Bio-Chopper-Mixers series, equipped with the most advanced technology with slow-motion rotors and chopping blades, are particularly indicated for industrial plants where they can also be remotely controlled via PC. The very low noise emissions, coming both from the engine and from the chopping-mixing apparatus, make this version the ideal one to be used in every place. Reliability, high performance and safety

are the main characteristics of these indispensable machines for any composting and dump area demanding a drastic volumetric waste reduction. A range of polyvalent machines, able to work any product, from humid fraction to green waste coming from landscape maintenance, as well as sewage sludge, peat, loam and much more.





WATCH
THE
VIDEO

SAM 5 / SAM 7 series

Bio-chopper-mixers tractor coupled

The trailed version is particularly indicated for operators collecting and reducing the volume of small quantities of green waste, coming from private or public gardens and parks. For such purpose the homologation to circulate on roads can be implemented. Regarding the equipment, the special weighing system is worth mentioning, since there is the possibility to transfer data from/to a PC granting multiple advantages in the collection. These machines are available from a 5 to 30 m³ (0,14 to 0,84 ft³) and can be equipped with a rear-loading shovel or a crane with fork for an independent load of the products.



WATCH
THE
VIDEO

SAM 5 / SAM 7 series

Bag opener Bio-Choppers

SEKO bag opener choppers are the most suitable for the development of this important incoming waste processing, because the bag is opened and not shredded so that the plastic is completely recovered.

Their high productivity, performance and absolute reliability make this machine an important resource in urban waste systems.



WATCH
THE
VIDEO

SAM 5 / SAM 7 series

Bio-chopper-mixers

Truck-Mounted version with diesel engine

The collection and the chopping of the organic waste, carried out both by specialised companies and by the public administrations, can be performed by the Truck-mounted version of the Bio-Chopper-Mixers with fixed application on truck.

These machines represent without any doubt the

top solution for waste collection, especially for green wastes, branches, pruning and so on, and the consequent volume reduction. Indeed, they combine together the flexibility of their original chopping-mixing system with the easiness and quickness of movement that only a truck can allow.



THE ADVANTAGES BY THESE MACHINES

- ◆ Remarkable volume reduction and stocking space.
- ◆ Easy loading and unloading of any product, especially of green residuals.
- ◆ Chopping and mixing of the product while driving from one spot to the next .
- ◆ Delivery of a ready chopped and mixed product to the composting area for the following process.
- ◆ Significant reduction of managing costs.
- ◆ Possibility of fitting with a crane and the system for loading waste-boxes.

SAM 5 / SAM 7 series

Bio-chopper-mixers

Self-propelled version with diesel engine

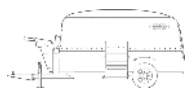
Available also in the Self-propelled version, the Bio-Chopper-Mixers SEKO, can be employed in forest and agricultural field too, for chopping and directly distributing on the soil different wastes such as branches, grass and zootechnical dejection. Thanks to their special cutting system using opposite turning augers fitted with highly-aggressive chopping blades, these machines

guarantee a perfect dissecting of the waste and avoid chips and sawdust, thus providing a more suitable surface to start the decomposition process.

Their design is optimised under all the main aspects, in order to guarantee the highest levels of reliability, versatility, comfort and safety.

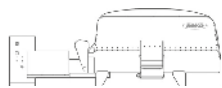


BIO-CHOPPER MIXERS SAM 5 - SAM 7 GREEN SERIES



TRAILED VERSION

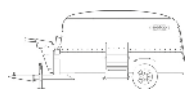
model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 5 450/70-G/T	4954/195	1905/75	2391/94	7/247	3600/7937	30/40	20/25 - 706/883
SAM 5 450/90-G/T	5404/213	1905/75	2391/94	9/317	3900/8598	37/50	25/30 - 883/1059
SAM 5 450/110-G/T	5854/230	1905/75	2391/94	11/388	4200/9259	44/59	30/35 - 1059/1236
SAM 5 500/110-G/T	5708/225	2045/80	2443/96	11/388	4900/10802	59/79	35/40 - 1236/1412
SAM 5 500/130-G/T	5708/225	2045/80	2656/104	13/459	5100/11243	59/79	35/40 - 1236/1412
SAM 5 500/150-G/T	6308/142	2045/80	2656/104	15/530	5400/11904	66/88	40/45 - 1412/1589
SAM 5 500/170-G/T	6608/260	2335/92	2691/106	17/600	5600/12345	66/88	45/50 - 1589/1766
SAM 5 600/200-G/T	6908/272	2335/92	2791/110	20/706	6500/14330	80/107	55/60 - 1942/2119
SAM 5 600/230-G/T	7406/291	2335/92	3000/118	23/812	7800/17196	89/119	65/70 - 2295/2472
SAM 5 650/250-G/T	8013/315	2557/100	3159/124	25/823	9500/20943	118/158	75/80 - 2649/2825
SAM 5 700/300-G/T	8713/343	2657/104	3264/128	30/1059	11100/24471	147/197	80/100 - 2825/3531
SAM 7 400/50-G/T	4604/181	1556/61	2300/90	5/176	2600/5732	30/40	10/12 - 353/423
SAM 7 450/70-G/T	4954/195	1905/75	2265/89	7/247	3600/7937	30/40	20/25 - 706/833
SAM 7 450/90-G/T	5404/213	1905/75	2391/94	9/317	3900/8598	37/50	25/30 - 833/1059
SAM 7 450/110-G/T	5854/230	1905/75	2265/89	11/388	4200/9259	44/59	30/35 - 1089/1236
SAM 7 500/110-G/T	5708/224	2045/80	2406/95	11/388	4900/10802	59/79	35/40 - 1236/1412
SAM 7 500/130-G/T	5708/224	2045/80	2656/104	13/459	5100/11243	59/79	35/40 - 1236/1412
SAM 7 500/150-G/T	6308/248	2045/80	2656/104	15/530	5400/11904	66/88	40/45 - 1412/1589
SAM 7 500/170-G/T	6608/260	2335/92	2691/106	17/600	5600/12345	66/88	45/50 - 1412/1765
SAM 7 600/210-G/T POWER	7100/280	2335/92	3094/122	21/741	6900/15212	74/99	55/60 - 1942/2119
SAM 7 600/230-G/T POWER	7400/291	2335/92	3094/122	23/812	7600/16755	81/108	65/70 - 2295/2472
SAM 7 600/250-G/T POWER	7400/291	2335/92	3364/132	25/823	7900/17416	81/108	70 - 2472
SAM 7 650/270-G/T POWER	8225/324	2557/100	3361/131	27/953	9800/21605	118/158	80/85 - 2825/3001
SAM 7 700/330-G/T POWER	8989/3548	2657/104	3464/136	33/1165	11500/25353	165/221	80/100 - 2825/3531



STATIONARY VERSION WITH ELECTRIC ENGINE

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 7 400/50-G/ME	4983/196	1619/64	2028/80	5/176	3000/6614	15/20	10/12 - 353/423
SAM 7 450/70-G/ME	5333/210	1912/75	2217/87	7/247	4000/8818	30/40	20/25 - 706/833
SAM 7 450/90-G/ME	5783/228	1912/75	2217/87	9/317	4300/9480	30/40	25/30 - 833/1059
SAM 7 450/110-G/ME	6233/245	1912/75	2217/87	11/388	4600/10141	30/40	30/35 - 1089/1236
SAM 7 500/110-G/ME	6087/240	1990/78	2300/90	11/388	5300/11684	37/50	35/40 - 1236/1412
SAM 7 500/130-G/ME	6087/240	1990/78	2550/100	13/459	5500/12125	37/50	35/40 - 1236/1412
SAM 7 500/150-G/ME	6687/263	1990/78	2550/100	15/530	5900/13007	55/74	40/45 - 1412/1589
SAM 7 500/170-G/ME	6987/263	1990/78	2550/100	17/600	6100/13448	55/74	45/50 - 1412/1765
SAM 7 600/210-G/ME POWER	7484/295	2156/85	2839/112	21/741	8250/18188	90/121	55/60 - 1942/2119
SAM 7 600/230-G/ME POWER	7786/306	2156/85	2839/112	23/812	8500/18739	90/121	65/70 - 2295/2472
SAM 7 600/250-G/ME POWER	7786/306	2156/85	3109/122	25/823	8800/19400	90/121	70/75 - 2472/2648
SAM 7 650/270-G/ME POWER	8477/334	2318/91	3267/129	27/953	11400/25133	132/177	78/80 - 2754/2825
SAM 7 700/330-G/ME POWER	9250/364	2632/104	3770/148	33/1165	14500/31967	160/214	80/100 - 2825/3531

BIO-CHOPPER MIXERS SAM 5 - SAM 7 GREEN & COMPOST SERIES



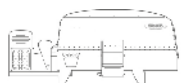
TRAILED VERSION

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 5 450/90-GC/T	5404/213	1905/75	2391/94	9/317	3900/8598	37/50	25/30 - 883/1059
SAM 5 450/110-GC/T	5854/230	1905/75	2391/94	11/388	4200/9259	44/59	30/35 - 1059/1236
SAM 5 500/110-GC/T	5708/224	2045/80	2443/96	11/388	5200/11494	59/79	35/40 - 1236/1412
SAM 5 500/130-GC/T	5708/224	2045/80	2656/104	13/459	5400/11904	59/79	35/40 - 1236/1412
SAM 5 500/150-GC/T	6308/248	2045/80	2656/104	15/530	5700/12566	66/88	40/45 - 1412/1589
SAM 5 500/170-GC/T	6608/260	2335/92	2691/106	17/600	5900/13007	66/88	45/50 - 1589/1766
SAM 5 600/200-GC/T	7326/288	2335/92	2791/110	20/706	8100/17857	80/107	55/60 - 1942/2119
SAM 5 600/230-GC/T	7626/300	2335/92	3092/122	23/812	8600/18960	89/119	65/70 - 2295/2472
SAM 5 650/250-GC/T	8013/315	2557/100	3159/124	25/823	10000/22046	118/158	75/80 - 2649/2825
SAM 5 700/300-GC/T	8730/344	2657/104	3264/128	30/1059	11500/25353	185/248	80/100 - 2825/3531
SAM 7 450/70-GC/T	4954/195	1905/75	2382/94	7/247	3800/8377	30/40	20/25 - 706/833
SAM 7 450/90-GC/T	5404/213	1905/75	2382/94	9/317	4100/9039	37/50	25/30 - 833/1059
SAM 7 450/110-GC/T	5854/230	1905/75	2382/94	11/388	4400/9700	44/59	30/35 - 1089/1236
SAM 7 500/110-GC/T	5708/224	2045/80	2521/99	11/388	5400/11904	59/79	35/40 - 1236/1412
SAM 7 500/130-GC/T	5708/224	2045/80	2771/109	13/459	5700/12566	66/88	35/40 - 1236/1412
SAM 7 500/150-GC/T	6308/248	2045/80	2771/109	15/530	5900/13007	66/88	40/45 - 1412/1589
SAM 7 500/170-GC/T	6608/260	2335/92	2803/110	17/600	6100/13448	66/88	45/50 - 1412/1765
SAM 7 600/210-GC/T	7326/288	2335/92	3094/122	21/741	8300/18298	80/107	55/60 - 1942/2119
SAM 7 600/230-GC/T	7626/300	2335/92	3094/122	23/812	8800/19400	89/119	65/70 - 2295/2472
SAM 7 600/250-GC/T	7626/300	2335/92	3294/130	25/823	9000/19841	89/119	70/75 - 2472/2649
SAM 7 650/270-GC/T	8013/315	2557/100	3361/132	27/953	10300/22708	118/158	75/80 - 2472/2825
SAM 7 700/330-GC/T	8730/344	2657/104	3462/136	33/1165	11900/26235	185/248	80/100 - 2825/3531



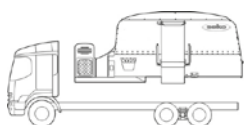
STATIONARY VERSION WITH ELECTRIC ENGINE GREEN & COMPOST

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 7 450/70-GC/ME	5333/210	1912/75	2217/87	7/247	4000/8818	30/40	20/25 - 706/833
SAM 7 450/90-GC/ME	5783/228	1912/75	2217/87	9/317	4300/9480	30/40	25/30 - 833/1059
SAM 7 450/110-GC/ME	6233/245	1912/75	2217/87	11/388	4600/10141	30/40	30/35 - 1089/1236
SAM 7 500/110-GC/ME	6087/240	1990/78	2302/91	11/388	5600/12346	37/50	35/40 - 1236/1412
SAM 7 500/130-GC/ME	6087/240	1990/78	2552/100	13/459	5900/13007	37/50	35/40 - 1236/1412
SAM 7 500/150-GC/ME	6687/263	1990/78	2552/100	15/530	6100/13448	55/74	40/45 - 1412/1589
SAM 7 500/170-GC/ME	6987/263	1990/78	2552/100	17/600	6300/13889	55/74	45/50 - 1412/1765
SAM 7 600/210-GC/ME	7705/303	2156/85	2837/112	21/741	8600/18960	90/121	55/60 - 1942/2119
SAM 7 600/230-GC/ME	7784/306	2156/85	2837/112	23/812	9100/20062	90/121	65/70 - 2295/2472
SAM 7 600/250-GC/ME	7784/306	2156/85	3039/120	25/823	9300/20503	90/121	70/75 - 2472/2648
SAM 7 650/270-GC/ME	8200/323	2318/91	3267/129	27/953	12800/28219	132/177	78/80 - 2754/2825
SAM 7 700/330-GC/ME	9148/360	2352/93	3365/132	33/1165	14500/31967	160/214	80/100 - 2825/3531



STATIONARY VERSION WITH DIESEL ENGINE GREEN & COMPOST

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 7 450/70-GC/MD	5900/232	2100/83	2382/94	7/247	5300/11684	55/74	20/25 - 706/833
SAM 7 450/90-GC/MD	6400/252	2100/83	2382/94	9/317	5600/12345	55/74	25/30 - 833/1059
SAM 7 450/110-GC/MD	6800/268	2100/83	2382/94	11/388	5900/13007	55/74	30/35 - 1089/1236
SAM 7 550/110-GC/MD	6700/264	2300/91	2521/99	11/388	6900/15212	90/121	35/40 - 1236/1412
SAM 7 550/130-GC/MD	6700/264	2300/91	2771/109	13/459	7200/15873	90/121	35/40 - 1236/1412
SAM 7 550/150-GC/MD	7300/287	2300/91	2771/109	15/530	7400/16314	90/121	40/45 - 1412/1589
SAM 7 550/170-GC/MD	7600/299	2335/92	2803/110	17/600	7600/16755	90/121	45/50 - 1412/1765
SAM 7 600/180-GC/MD	7700/303	2400/94	3094/122	18/636	9300/20503	90/121	45/50 - 1412/1765
SAM 7 600/210-GC/MD	8300/327	2400/94	3094/122	21/741	9800/21605	90/121	55/60 - 1942/2119
SAM 7 600/230-GC/MD	8600/338	2400/94	3094/122	23/812	10300/22708	90/121	65/70 - 2295/2472
SAM 7 600/250-GC/MD	8600/338	2400/94	3294/130	25/823	10500/23148	90/121	70/75 - 2472/2648
SAM 7 650/270-GC/MD	9100/358	2557/101	3361/132	27/953	12000/26455	129/1473	78/80 - 2754/2825
SAM 7 700/330-GC/MD	9800/386	2657/105	3462/136	33/1165	14000/30865	168/225	80/100 - 2825/3531



TRUCK-MOUNTED VERSION WITH DIESEL ENGINE GREEN & COMPOST

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 7 G&C 500/150-GC/MD/TM	6580/270	2500/98	2550/100	15/530	6500/14330	90/121	40/45 - 1412/1589
SAM 7 G&C 600/210-GC/MD/TM	7380/290	2500/98	2800/110	21/741	8800/19400	90/121	55/60 - 1942/2119



SLIDING VERSION COMPLETE WITH GREEN & COMPOST FRAME

model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
SAM 7 G&C 500/150-GC/MD/SC	6800/268	2500/98	2650/104	15/530	7400/16314	90/121	40/45 - 1412/1589
SAM 7 G&C 600/210-GC/MD/SC	7600/299	2500/98	2900/114	21/741	9800/21605	90/121	55/60 - 1942/2119

SAM 7 Self Green & Compost series

Bio-chopper mixers

Self-propelled version

The extraordinary range of horizontal SAM 7 Bio-chopper mixers, unique in terms of choice of models, diversification and dependability, offers allow to obtain a balanced dissection and chopping, even of wooden materials, giving the output the characteristics suitable for the micro organisms action.

Furthermore, during the chopping process, the material is also actively mixed, a particularly positive fact for two or more kinds of composting products with a different degree of fermentation (for ex. wood and bran-

ches are generally little fermentative, whereas grass, the OFMSW - the Organic Fraction of Municipal Solid Wastes - and zootechnical dejections are very fermentative). The chopping and mixing are performed by the fibre-dissecting action and laceration of two special slow-motion opposite-rotating spiralled shafts with convergent windings, fitted with original blades and counter-blades favouring the fibre dissecting of wooden products.



model	length mm/Inch	width mm/Inch	height mm/Inch	box capacity m³/Cu.Ft.	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h
600/250-GC SELF	8400/331	2460/97	3360/132	25/823	13300/29321	168/225	70/75 - 2472/2648
650/270-GC SELF	8600/338	2500/98	3500/138	27/953	16500/36376	168/225	75/80 - 2648/2825

TURNING MACHINES FOR TRAPEZOIDAL WINDROWS

SCV series



advanced technologies for turning the bio-masses



The Self-Propelled Turning Machines SCV series grant an efficient and strong turning of the bio-masses in the wind-row, because the product moving is turned through an horizontal or vertical depending on the model. The blades allow the shredding of long fibres and the disintegration of clods and blocks of material.

All the mass is thus perfectly mixed and oxygenated, which is essential to obtain a quality compost. All the models are equipped with the powerful and reliable ecologic engines.

SELF-PROPELLED TURNING MACHINES WITH HORIZONTAL ROTOR

SCV 320/370/470 series

The self-propelled turning machines, SCV series, are particularly suitable for the turning of organic material for composting processing, for the remediation of contaminated grounds and the stabilisation of the manures. These machines can be used for turning the trapezoidal windrows, from 3,2 m (10,5 ft.) to 5,5 m (18 ft.) long, granting high performances thanks to an extremely qualified engineering, in total respect of top level construction standards.

The horizontal rotor-mixer made of wear-resistant steel equipped with tungsten attachment blades allows long fibre shredding and the disintegration of clods and blocks of material, thus achieving a perfect mixing and oxygenation of the whole mass, a fundamental condition to obtain quality compost.

Due to the long experience that SEKO has in manufacturing self-propelled machines, these units are carried out according to the most advanced technologies, using huge quality materials, which make them perfectly suitable for intensive uses.

The lateral ploughshare conveyors allow to improve the turning and develop a perfect windrow forming and cleanness in lateral ways.

The air-conditioned cabin is roomy, comfortable, with high visibility and ergonomics, granting the operator the highest comfort and safety.

The movement and functionality of the machine are managed through the handy centralized double-joy-stick controls, which are placed in the cabin.





All the models are equipped with the powerful and reliable ecologic engines, provided with integral electronic management system. These engines, having high torque and power, assure great performances with the best efficiency in fuel consumption.

They have steel tracks with rubber sliding blocks to move easily even on cemented surfaces, granting absolute efficiency under any operational condition.



model	length mm/Inch	width mm/Inch	height mm/Inch	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h	working width m/Ft.	speed km/h - mph	window's max height mm/Inch
SCV 320-MD	3277/129	3548/140	3210/126	4600/10141	55/74	250/900 - 8828/31783	3,3/10,8	0-2,5/0-1,5	1300/51
SCV 370-MD	4265/168	4613/182	3562/140	7300/16094	129/173	500/1500 - 17657/52972	4,1/13,4	0-3,5/0-2,2	1600/62
SCV 470-MD	4530/178	5883/232	4339/171	12800/28219	258/346	500/2500 - 17657/88287	5,5/18	0-3,5/0-2,2	2000/79



WATCH
THE
VIDEO

SELF-PROPELLED TURNING MACHINE WITH VERTICAL SHAFTS FOR TABLE WINDROWS

PANTER-VTC 3000 series

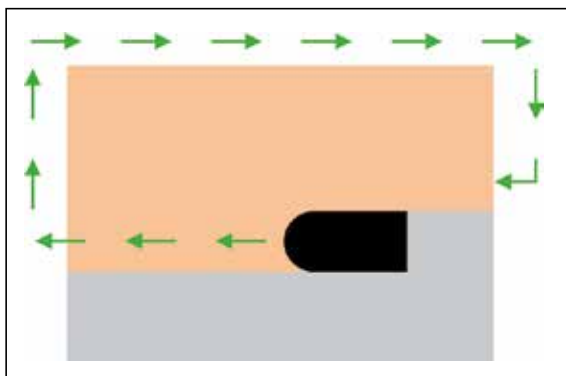
The patented Self-propelled Turning Machine, model PANTER-VTC 3000 with vertical shafts, is particularly suitable to turn big table windrows up to a 3 m (9,8 ft.) height, because it allows a working width of 2,5 m (8,2 ft.).

This powerful operation machine is equipped with a tilling unit formed by nr. 4 vertical rotors, fed by two diesel engines and discharge system through rear and lateral conveyor. The body, perfectly profiled with the tilling unit, allows an easy movement and a better exploitation

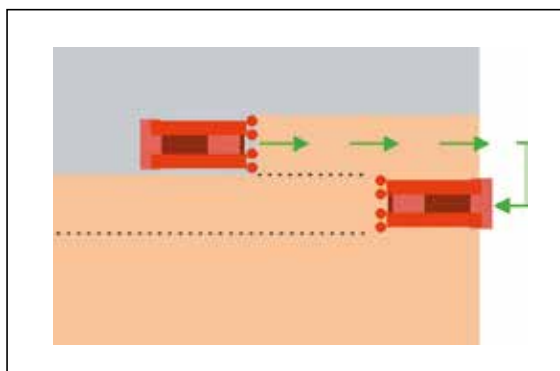
of working surfaces thanks to the absence of any side spaces. The turning machine PANTER-VTC 3000 is the only machine which allows to discharge the product both to the rear and to the side, with the possibility to reverse the discharge direction on right or on the left, according to the working side, just through a simple inversion.

The original tiller system grants an efficient bio-mass oxygenation, thanks to the long movement, which allows a long-term contact of the material with the air.





TRADITIONAL SYSTEM



SEKO SYSTEM



model	length mm/Inch	width mm/Inch	height mm/Inch	weight kg/Libs	power kW/HP	output m³/h - Cu.Ft./h	working width m/Ft.	speed km/h - mph	window's max height mm/Inch
PANTER VTC 3000	9064/ 357	2550/ 100	5068/ 200	24000/ 5291	522/ 700	1500-2500/ 52972-88287	2,5/ 8,2	0-2/ 0-1,2	2000/ 79



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THE
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DRUM SELECTION SCREENS ***SEPARATOR series***





waste,
if correctly managed,
become a precious
resource

DRUM SELECTION SCREENS

SEPARATOR 50-100-200 series

The new designed range of drum selection screens SEPARATOR series grants greatest reliability and highest working performance. Particularly suitable for the sieving of different materials, they are used in composting plants and waste treatment areas both in the pre-se-

lection lines and in the final refining ones. Equipped with components of the highest technology, these machines are extremely user's friendly and reliable both working and during the maintenance operations. A patented system let you change very easily the selection drum.





- Very simple loading due to the big hopper with slanting walls allowing an easy feeding of the material to the selection drum.
- Loading conveyor fitted with a speed regulator for feeding the selection drum.
- Easy handling and flexibility due to the 1 or 2 axles chassis with a practical towing hook.
- Eco-diesel engine certificated for low emissions, granting higher performance and lower fuel consumption.
- Mechanical tightened cleaning brush for a constant cleaning action on the drum.
- Folding discharge conveyors with hydraulic lifting for space reduction during transport.
- Protected central control board for an easy and safe use of the machine.
- Patented system for drum tangential traction for an easy fast change of the selection drum also for service operations.
- Easy maintenance thanks to its simple functionality and easy accessibility to all the mechanical parts.



WATCH
THE
VIDEO

	SEPARATOR 50/MD	SEPARATOR 100/MD	SEPARATOR 200/MD
Engine	Diesel	Diesel	Diesel
Power	37 kW / 49,6 HP	56 kW / 75 HP	56 kW / 75 HP
Performance	up-to 50 m³/h - 1766 Cu.Ft./h	up-to 100 m³/h - 3531 Cu.Ft./h	up-to 200 m³/h - 7063 Cu.Ft./h

(The performance depends also on the kind of material, on the loading system, on the hole size of the drum screen)

MAIN DIMENSIONS

At work (L x W x H)	7744 x 6540 x 3092 mm 305 x 257 x 122 Inch	15012 x 6922 x 3553 mm 591 x 272 x 140 Inch	17278 x 6922 x 3621 mm 680 x 272 x 142 Inch
For transport (L x W x H)	7744 x 2487 x 3805 mm 305 x 98 x 150 Inch	11474 x 2550 x 3714 mm 452 x 100 x 146 Inch	13729 x 2550 x 3854 mm 540 x 100 x 152 Inch
Total weight	6500 Kg / 14330 Libs.	11400 Kg / 25133 Libs.	17200 Kg / 37919 Libs.

SELECTION DRUM

Diameter	1800 mm / 71 Inch	1800 mm / 71 Inch	1800 mm / 71 Inch
Lenght	2515 mm / 99 Inch	4785 mm / 188 Inch	6895 mm / 271 Inch
Hole size	8-90 mm / 0,3-3,5 Inch	8-90 mm / 0,3-3,5 Inch	8-90 mm / 0,3-3,5 Inch
Hole shape	Square or round	Square or round	Square or round
Drum thickness	8 mm / 0,3 Inch	8 mm / 0,3 Inch	8 mm / 0,3 Inch
Drum speed	0-23 rpm	0-27 rpm	0-27 rpm

LOADING HOPPER

Capacity	1,6 m³ / 56,5 Cu.Ft.	2,9 m³ / 102,4 Cu.Ft.	5,2 m³ / 183,6 Cu.Ft.
Feeding Height	2295 mm / 90 Inch	2670 mm / 105 Inch	2900 mm / 114 Inch

DISCHARGE CONVEYORS

Discharge conveyor for light fraction (L x W x H max)	4000 x 1700 x 2336 mm 157 x 67 x 92 Inch	5400 x 900 x 3024 mm 212 x 35 x 119 Inch	5400 x 900 x 3164 mm 212 x 35 x 124 Inch
Discharge conveyor for rough fraction (L x W x H max)	4000 x 550 x 2336 mm 157 x 22 x 92 Inch	5400 x 900 x 3366 mm 212 x 35 x 132 Inch	5400 x 900 x 3506 mm 212 x 35 x 138 Inch
Conveyor speed	1,5-2,0 m/s - 1,3-1,8 ft/s	1,5-2,0 m/s - 1,3-1,8 ft/s	1,5-2,2 m/s - 1,3-2 ft/s

	SEPARATOR 50/ME	SEPARATOR 100/ME	SEPARATOR 200/ME
Engine	Elettrico	Elettrico	Elettrico
Power	30 kW / 40 HP	55 kW / 74 HP	55 kW / 74 HP
Performance	up-to 50 m³/h - 1765 Cu.Ft./h	up-to 100 m³/h - 3531 Cu.Ft./h	up-to 200 m³/h - 7063 Cu.Ft./h

(The performance depends also on the kind of material, on the loading system, on the hole size of the drum screen)

MAIN DIMENSIONS

At work (L x W x H)	6380 x 6540 x 3092 mm 251 x 257 x 122 Inch	13647 x 6780 x 3553 mm 537 x 267 x 140 Inch	15906 x 6780 x 3511 mm 626 x 267 x 138 Inch
For transport (L x W x H)	6380 x 2452 x 3805 mm 251 x 96 x 150 Inch	10077 x 2506 x 3714 mm 397 x 99 x 146 Inch	12363 x 2506 x 3744 mm 487 x 99 x 147 Inch
Total weight	5700 Kg / 12566 Libs	11000 Kg / 24251 Libs	17000 Kg / 37478 Libs

SELECTION DRUM

Diameter	1800 mm / 71 Inch	1800 mm / 71 Inch	1800 mm / 71 Inch
Lenght	2515 mm / 99 Inch	4785 mm / 188 Inch	6895 mm / 271 Inch
Hole size	8-90 mm / 0,3-3,5 Inch	8-90 mm / 0,3-3,5 Inch	8-90 mm / 0,3-3,5 Inch
Hole shape	Square or round	Square or round	Square or round
Drum thickness	8 mm / 0,3 Inch	8 mm / 0,3 Inch	8 mm / 0,3 Inch
Drum speed	0-25 rpm	0-27 rpm	0-27 rpm

LOADING HOPPER

Capacity	1,6 m³ / 56,5 Cu.Ft.	2,9 m³ / 102,4 Cu.Ft.	5,2 m³ / 183,6 Cu.Ft.
Feeding Height	2295 mm / 90 Inch	2670 mm / 105 Inch	2790 mm / 110 Inch

DISCHARGE CONVEYORS

Discharge conveyor for light fraction (L x W x H max)	4000 x 1700 x 2350 mm 157 x 67 x 92 Inch	5400 x 900 x 3024 mm 212 x 35 x 119 Inch	5400 x 900 x 3054 mm 212 x 35 x 120 Inch
Discharge conveyor for rough fraction (L x W x H max)	4000 x 550 x 2350 mm 157 x 22 x 92 Inch	5400 x 900 x 3366 mm 212 x 35 x 132 Inch	5400 x 900 x 3366 mm 212 x 35 x 132 Inch
Conveyor speed	1,5-2,0 m/s - 1,3-1,8 ft/s	1,5-2,0 m/s - 1,3-1,8 ft/s	1,5-2,2 m/s - 1,3-2 ft/s

Remark: The descriptions and illustrations in the present catalogue are just indicative and not bounding. SEKO reserves the right to bring the most appropriate modifications to the machines without previous notice.



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