



GREEN LINE

*machines and plants for waste
recycling and composting*

DRUM SELECTION SCREENS *SEPARATOR series*



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 absolutely 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, Self-propelled Turning Machines, Selection Screens, Bag opener biomixers.



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DRUM SELECTION SCREENS ***SEPARATOR series***





waste,
if correctly managed,
become a precious
resource

DRUM SELECTION SCREENS

SEPARATOR 50 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-selection 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.





DRUM SELECTION SCREENS *SEPARATOR 100 series*





DRUM SELECTION SCREENS

SEPARATOR 200 series

- 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 axes 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.





GUARDA
IL VIDEO

DRUM SELECTION SCREENS

SEPARATOR series

Plastic vacuum system

"The vacuum and abatement plant has the main purpose of capturing and expelling the plastics that are deposited along the screening line of the various recycled materials.

The machine can therefore be equipped with a vacuum system for impurities (plastics, papers....) which are later conveyed to a series of bag filters.

The system is modular and allows easy installation on any conveyor belt. The filter support structure is studied

to allow immediate visual verification of the filling level of the bags and their easy replacement".

Properly managed waste becomes a precious resource!

From the pre-processing phase to the final refining of the product, the Separator is the ideal solution for the treatment of compost, wood residues and organic waste.





	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)	3500 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)	3500 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)	7744 x 6540 x 3092 mm 251 x 257 x 122 Inch	15012 x 6780 x 3553 mm 537 x 267 x 140 Inch	17278 x 6780 x 3511 mm 626 x 267 x 138 Inch
For transport (L x W x H)	7744 x 2452 x 3805 mm 251 x 96 x 150 Inch	11474 x 2506 x 3714 mm 397 x 99 x 146 Inch	13729 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

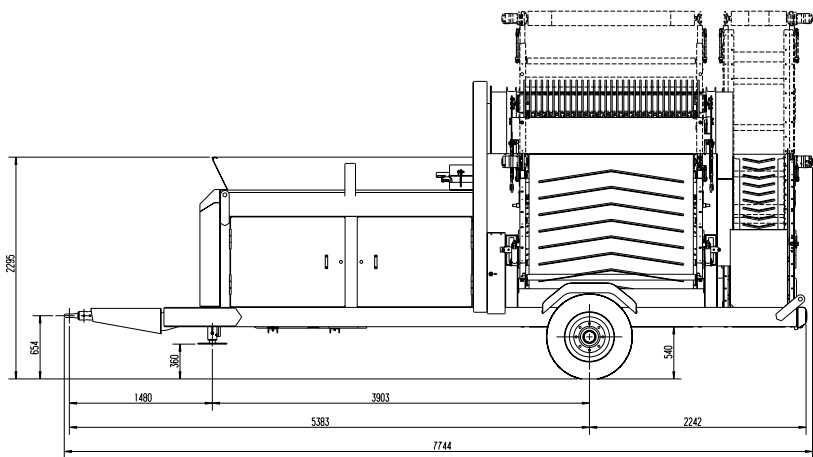
Capacity	1,6 m³ / 56,5 Cu.Ft.	2,9 m³ / 102,4 Cu.Ft.	5,2 m³ / 183,6 Cu.Ft.
Feeding Height	2295 mm / 90 Inch	2670 mm / 105 Inch	2790 mm / 110 Inch

DISCHARGE CONVEYORS

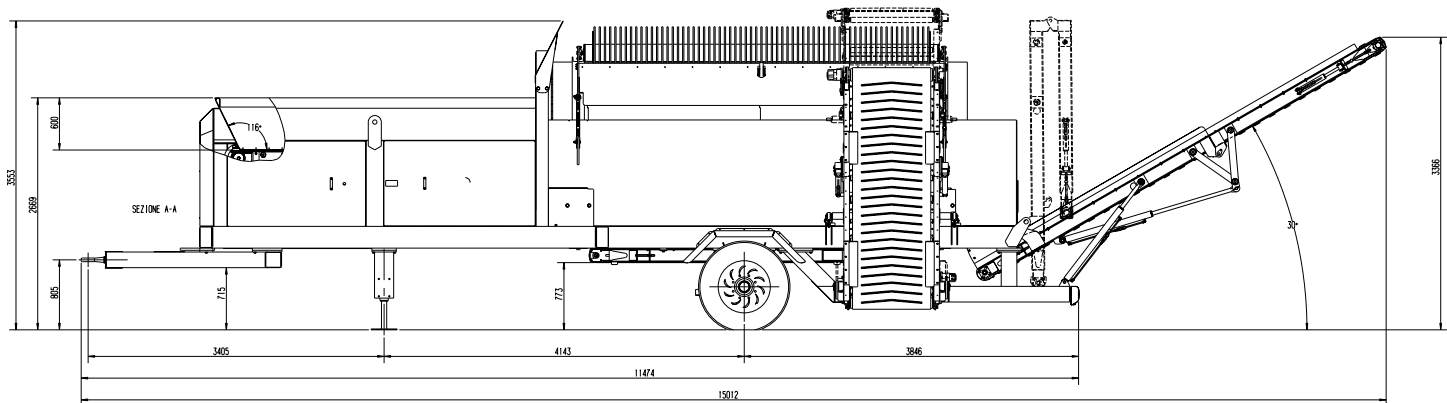
Discharge conveyor for light fraction (L x W x H max)	3500 x 1700 x 2350 mm 157 x 67 x 92 Inch	5400 x 900 x 3024 mm 212 x 35 x 119 Inch	5400 x 900 x 3054 mm 212 x 35 x 120 Inch
Discharge conveyor for rough fraction (L x W x H max)	3500 x 550 x 2350 mm 157 x 22 x 92 Inch	5400 x 900 x 3366 mm 212 x 35 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.

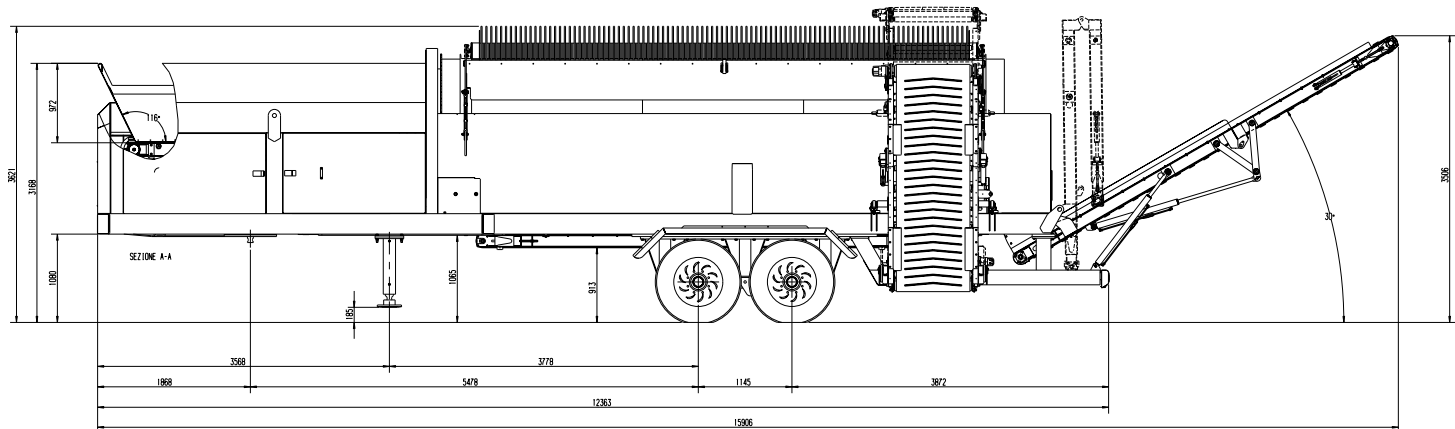
DRUM SELECTION SCREEN *SEPARATOR 50 SERIES*



DRUM SELECTION SCREEN *SEPARATOR 100 SERIES*



DRUM SELECTION SCREEN *SEPARATOR 200 SERIES*





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