



Healthcare Waste Treatment
Post-sterilization
Waste Shredders & Compactors

The ideal solution for the treatment of healthcare waste, once treated

MATACHANA has developed a comprehensive system that meets all the processing circuit of Special Biocontaminated Waste (SBW):

- Sterilization firstly, to ensure that the waste loses its infectious condition.
- Shredding and/or compaction after sterilization and in an entirely independent device.
- Eliminating the risk for the service engineers who have to carry out technical tasks in case of breakdown.
- Continuity of the sterilization process, in case of failure in the shredder.

All this through a system that:

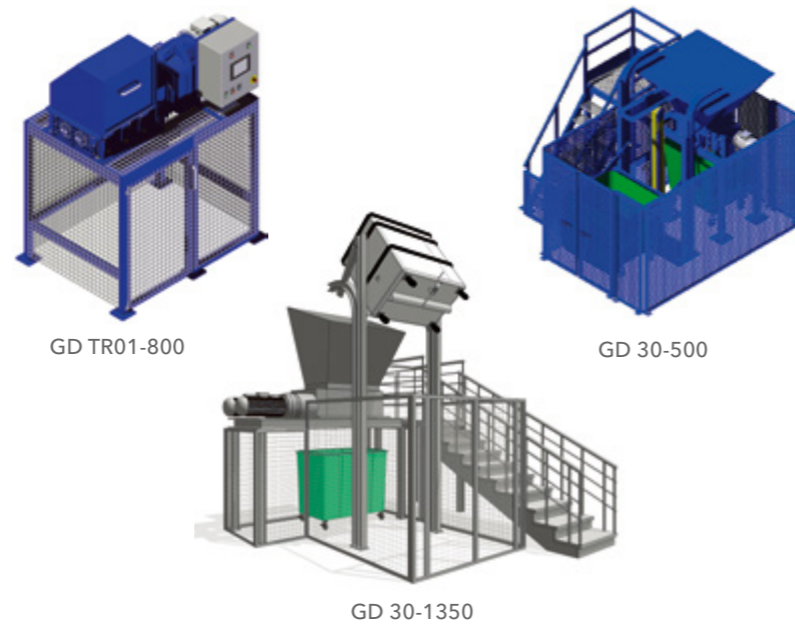
- Uses a clean treatment technique that produces no toxic or polluting waste.
- Requires minimal staff.
- Controls maintenance cost of the system based on two autonomous equipment.
- Is backed up by a company with over 50 years experience in the development of the sterilization technique.

Waste Shredders

Waste shredders are designed according to the production of the sterilizer with the aim to reduce the volume of waste once sterilized and place it into containers.

The model GD TR01-800 can be loaded manually and can be fitted with a lifting and tilting system, with the aim to enhance the versatility.

The models GD 30-500 and GD 30-1350 are supported by a structure and equipped with a lifting and tilting system for a safe and ergonomical feeding of waste. The system is protected with metal fences and doors with security switch buttons for the entry of the containers to be lifted.



The waste is fed into the shredder by means of a hopper placed over the shredding chamber. The rotating blades take the material into the centre of the shredding chamber, it is shredded and it falls down inside the container placed under the shredder.



Waste Compactors

The compactors MT 240 and RC 1100 are designed to reduce waste placed in containers.

Depending on the type of waste, the volume reduction achieved is up to 75%.

In both cases, compaction is achieved through a hydraulic system driven by an electric motor. These models are equipped with an arm or press that allows filling of the container and subsequent compaction. After compaction, the waste may be treated as urban and sent to its final location.



WASTE SHREDDERS	GD TR01-800	GD 30-500	GD 30-1350
Total dimensions (mm)			
Width	1600	3540	3907
Depth	1150	3580	4000
Height	2000	3910	4560
Weight (Kg)	660	750	3870
Approx. production (Kg/h)	110-150	250	600 - 800
Shredding chamber (mm)			
Width	596	780	1350
Length	676	540	740
Collection container capacity (liters)	240	1100	1100
Counter-rotation hexagonal axes	2	2	2
Number of cutting blades	32	38	52
Number of teeth per blade	3	3	2
Cutting blade thickness (mm)	15	25	25
Electrical motor Power (kW)	9,2	40	22
Voltage (V)	400 III / 220 II	400 III / 220 II	400 III / 220 II
Frequency (Hz)	50 / 60	50 / 60	50 / 60

WASTE COMPACTORS	MT 240	RC 1100	
Total dimensions (mm)			
Width	800	1470	
Depth	1200	1470	
Height	2065	1880	
Weight (Kg)	150	530	
Collection container capacity (liters)	240	1100	
Voltage (kW)	0,37	1,5	2,2
Power (V)	220 II	220 II	400 III
Frequency (Hz)	50 / 60	50 / 60	50 / 60
Pressure power (kN)	5	30-40	60-80



MATACHANA GROUP

Innovation is the way forward

Since our foundation 50 years ago, our mission has been to provide the best service, bringing our knowledge and field experience to our customers to facilitate their daily work, allowing them to be efficient in the production whereas keeping rigorously the quality.

Our history has taken us from the beginnings in 1962 to the transformation in 2000 in MATACHANA GROUP, with its subsidiaries in Germany, France, USA, Argentina, Malaysia and China, as well as the collaboration of direct distributors in over 110 countries.

In MATACHANA GROUP we are aware that Training and Service contribute decisively to achieve customer satisfaction. For this reason, we have always invested in the development of these two areas of activity, which enables a direct contact with customers and help us to develop together a continuous improvement process.

Technical Engineering Support

An assistance provided by engineers, highly skilled expert technicians and support staff, all committed to ensure the proper equipment operation and condition.

Training Academy



Committed to the responsibility to obtain the optimum operation from our equipment, in MATACHANA GROUP we invest in the training of future users.

In addition, we offer training courses regularly in the 5 continents, providing this service to all our customers.

Environmentally friendly

The sterilizers are designed and manufactured using the latest technologies on the market to achieve the best results in terms of energy savings and reduction in water consumption.

Our Production Center complies with the ISO 14001 Environmental Management System and ISO 50001 Energy Management.

Quality

The MATACHANA devices are developed, manufactured and tested within a strict quality control according to the International Standard ISO 9001.