Melt King models comparison

Melt King DNX General garbage reducer and dryer

High recycling rate

Most of the calorie value remains, so high calorie solid fuel can be recycled. Depending on the processed material, it can be recycled into feed and fertilizer.

Specification of Melt King

Melt King MD Sterilizer, reducer and dryer Reliable sterilization

room slowly.

Stir the processed material in the sterilization

Equipped with a function that maintains the temperature at 180 to 200°Cfor more than 30 minutes, which is necessry for sterilization

	on or Mert King			
Model	DNX-500	DNX-1000	MD-500	MD-1000
Main feature	Dry garbage with a high moisture content up to 1/50 to reduce weight		Infectious waste such as diapers and medical waste with water content can be dried, sterilized and reduced	
Can be processed	Food waste, cooking waste, vegetables, fruits, plants, livestock dung and combustibles materials etc		Diapers, gauze with blood, absorbent cotton, bandages, infectious waste etc.	
Can not be processed	Vinyl chloride products, petroleum, oil, metal, iron, steel, glass, stone, porcelain, bound paper or books, large amount of cloths / plastic, infectious waste etc		Vinyl chloride products, petroleum, oil, metal, iron, glass, stone, porcelain, bound paper or books, large amount of cloths / plastic, etc	
Dangerous prohibited	Spray cans, organic solvents, toxic poisons, explosives, large quantities of alcohol, injection needles, scalpels, and other sharp objects, low flash points, etc.			
Customers	Many factories at box lunch, food processing, spice and sprout, Resort hotels, golf courses, cafeteria, Japan Antarctic station		Hospitals, nursing homes, rehabilitation hospitals etc.	
Size (mm) W x D x H	1,910 × 1,350 × 2,425	2,340 x 1,510 x 2,535	1,910 x 1,350 x 2,425	2,350 x 1,510 x 2,535
Exhaust tower	400 mm height			
Weight Kgs	1,900	3,000	1,900	3,000
Processing capacity	500 litters / badge	1,000 Litters / badge	500 Litters / badge	1,000 Litters / badge
Inlet size	650 x 400			
Electrical power	3 phase 200 voltage			
Power consumption	1.3kw / h	2.3kw / h	1.3kw / h	2.3kw / h
Fuel oil	Kerosene JIS No.1			
Fuel oil consumption	6~8 Litters / h	8~13 Litters / h	6~8 Litters / h	8~13 Litters / h
Fuel In case of Gas	City gas 13A 2kpa Can be changed to LPG			
Fuel gas consumption	4~6㎡ / h	5~9.6 ㎡/ h	4~6㎡ / h	5~9.6 ㎡/ h
Processing time	$6{\sim}10$ h/ badge	8~13 h/ badge	6~10 h/badge	$8{\sim}13$ h/ badge
Accessory	Kerosene use : Kerosene tank (198 liters), cleaning stick, saucer, grease Gas use : cleaning stick, saucer, grease			



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General garbage dryer Melt King DNX





Max 98% volume reduction, sterilization and drying for

infectious medical waste, diapers, high-moisture wet waste,

vegetable, food waste and livestock dung.

Vegetable waste can be recycled as fertilizer in the field





Sprout

Potato and banana



Diapers and infectious medical waste



Tomato and cucumbers



Onion and celery





Pineapple and banana





Melt King Max 98% volume reduction with sterilization of medical waste, diapers, garbage, vegetable, leftovers, watery waste. Vegetable waste is recyclable fertilizer for the fields.

Main features of Melt King

(1) Possible to reduce volume max 98%

Diapers, garbage, food waste are cut off oxygen in the reduction room and indirectly heated and dried to achieve significant weight loss. The weight loss rate depends on the type of treated material and the water content, and a maximum weight loss of 98 % is possible. For example, food waste will be reduced to 98%.

3Significant processing cost reduction

Originally, it costs a lot to manage and dispose of it as industrial waste, but by introducing it, it is possible to greatly reduce the treatment cost.

(5) Prevention of documents leakage

It can also be used to process confidential important documents. By processing in the facility, it is possible to prevent leakage of confidential information and personal information.



Since Melt King is not an incinerator and there is no combustion(oxidation reaction) of the Processing flow of Melt King

storage

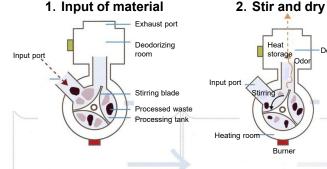
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Odo

Discharging

the residue

1. Input of material



Input material into processing tank. Seal the inlet door and shut off the air supply form the outside











After input, it is fully automatic indirect heating,

drying, weight loss drying and sterilization. Melt King MD maintains the sterilization room at 180 to 200°C for 30 minutes or more to ensure sterilization



and discharged.



Because it is indirect heating, there is no scattering of dust, and it is an ecofriendly system that does not generate dioxin because it does not incinerate. Patented deodorizing technology significantly reduces odor during heating and reducing driving noise.

4 Vegetable waste can be recycled

Vegetable waste can be recycled as fertilizer in the field

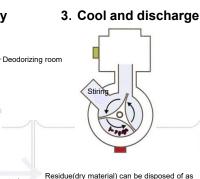
6 Safety that can be used in residential areas

Both the weight loss room and the deodorization room have a double structure, ensuring high safety. The processing temperature in the weight reduction chamber is as low as about 180°Cambient temperature, and there is no oxidation reaction, so the equipment lasts longer. With a vibration sensor, it responds to emergencies.

Effective use of recycled waste



processed material, the processed material is not ash but a combustible solid. Most of the calorific value is retained, so it can be recycled as high calorie solid fuel or fertilizer for fields. This allows for effective utilization of waste and recycling in an environmentally friendly manner.



The inside of the processing tank is heated combustible material, or it can be recycled from the surroundings with burners and the as another material. Weight can be reduced materials is stirred and reduced in an to 1/5 to 1/50, there is no need to worry extremely low oxygen state. The odor is led to about dioxin and CO2, and it can be the deodorizing room where it is deodorized disposed of as industrial waste.



The treated waste can be disposed of as non-industrial waste.



Diapers

Vegetable waste can be recycled as fertilizer in the field



Blood, gauze

Diapers, gauze

Diapers