



# HotRot Screwtech Dewatering Sorting Table

- Consists of a screw press integrated into a stainless steel food sorting table.
- The screw press is designed as a welded stainless steel structure treated by total immersion pickling.
- Two basic sizes 250- and 400-series depending on throughput.
- Should be positioned in a waste reception building or under a roofed area.
- Improve the overall efficiency of the HotRot composting system.



## Global Supplier

Global Composting Solutions is the global supplier of HotRot in-vessel composting systems which take the nuisance out of large scale composting.



## Turnkey Solutions

It is ideal for organic waste composting at zoos, universities, resorts and remote site organic waste disposal e.g mining, oil and gas projects.



## Integrated Solution

Where necessary Global Composting offers a complete integrated solution from waste collection, pre-processing and sorting, through to composting and end-product use.



## Compelling Proposition

HotRot technology is simple to operate, requires minimal space, has low labour/ maintenance requirements and is leachate free.

**OdourFree**<sup>™</sup>  
GUARANTEE

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# HOTROT SCREWTECH DEWATERING SORTING TABLE

The HotRot Screwtech dewatering sorting table consists of a screw press integrated into a stainless steel food sorting table on to which waste can be tipped using a bin-lifter. The operator is able to inspect the waste tipped onto the table and remove any gross contamination before pushing the material off the table and into the dewatering screw.

The press unit consists of a press frame or table, material intake opening and pressing area, conveyor and press screw, press water drain pan and drain pipe, support structure and geared motor. The screw press is designed as a welded stainless steel structure treated by total immersion pickling. The screw press is supplied in two basic sizes 250- and 400-series depending on throughput.

The bin-lifter fitted to sorting table is the same as that supplied for use with its basic sorting table or smaller HotRot units.

Dewatered waste can discharge in to wheelie bins or similar for subsequent loading in to the HotRot composting unit or feed hopper.

The HotRot Screwtech dewatering unit should be positioned in a waste reception building or under a roofed area.

The HotRot Screwtech dewatering sorting table offers a number of significant technical advantages that improve the overall efficiency of the HotRot composting system:

- Dewatering food (and some other high moisture content) waste through this unit will reduce the mass to be composted by up to 50%.
- The dewatered waste requires significantly less bulker or amendment; an important consideration on sites where woody or garden waste is limited.
- A combination of dewatered food waste and reduced bulker significantly reduces the overall size of the composting facility, meaning the dewatering unit can easily pay for itself in a lower overall plant cost.

An illustration of the effectiveness of dewatering is given here:

- 2.0 tonne of food waste will typically require 1.0 to 1.6 tonne of amendment/bulker to adjust the overall moisture and structure suitable for composting. Thus 2.0 tonne of food waste needs a composting plant with a throughput capacity of 3.0 to 3.6 tonne.
- 2.0 tonne of food waste processed through the dewatering unit will produce approximately 1.0 tonne of dewatered food. 1.0 tonne of dewatered food will need 0.2 to 0.5 tonne of amendment/bulker. Thus, after dewatering, 2.0 tonne of food waste needs a composting system with a capacity of 1.2 to 1.5 tonne (less than half the size of a plant without dewatering).

Another key advantage of using the HotRot Screwtech dewatering sorting table is that it allows the operator to produce material to be fed to the HotRot unit that is of consistent moisture content. This significantly improves the overall efficiency of the composting system and removes some of the variability that may occur between different operators.

SPECIFICATIONS	
Length overall	4,825mm
Length of sorting table	1,845mm
Width of sorting table	1,475mm
Height of sorting table	950 +/- 50mm
Discharge height	1,100mm
Drive	4.0kW, three-phase, 380-400V
Expected effluent discharge	350-500 litres per tonne of food waste processed
Throughput	Approx. 2.8m <sup>3</sup> /h
Flush water	2.5bar minimum pressure