

# Compaction and Liquid Extraction

## *A Waste Processing Solution*

*revolution™* technology is particularly effective in dramatically reducing the liquid content of waste streams. It is highly successful in removing liquids from food, beverage, household products and cosmetic packaging. The high compaction ratios achieved substantially increase the capacity of the waste containers. The reduced volume greatly reduces the number of “tips” or times the container must be emptied.

*revolution™* technology can provide a waste processing solution for a variety of other purposes. It is available in “dry” or “wet configurations” and can accommodate a number of discharge options. Failsafe operation and automatic shut-down are standard.

The dry application is also suited to secure product destruction. The product is broken down to such an extent that it is either rendered worthless or is totally destroyed.



*revolution™ 2000 series with pallet tipper and lift equipment*



*revolution™ 2000 series removing liquids from re-pulping waste stream*







**Patented Screw Technology**



*Forklift operated pallet tipper equipment*

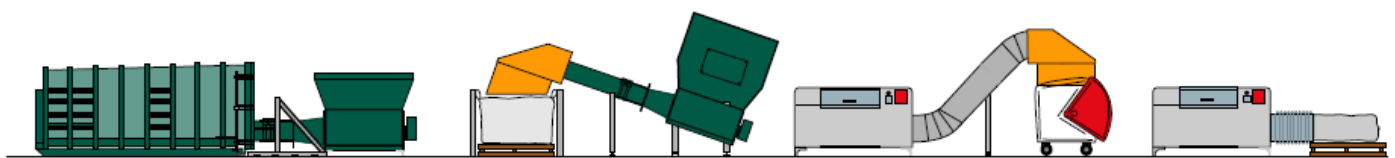
Typical Compaction Ratios and Densities		
Organics	3:1	900 kg/m <sup>3</sup>
Wood	10:1	1000 kg/m <sup>3</sup>
Mixed General	10:1	800 kg/m <sup>3</sup>
Cardboard	25:1	800 kg/m <sup>3</sup>
Plastics	50:1	600 kg/m <sup>3</sup>
Steel	50:1	1500 kg/m <sup>3</sup>
Aluminum Cans	60:1	1200 kg/m <sup>3</sup>

	<b>revolution™</b>			
				
	150	400	2000	2500
Footprints (M) L W H	1.6 x .75 x 1	2.4 x 1 x 1.1	3.5 x 2 x 1	3.5 x 2 x 1
Weights (Tonnes)	0.7	1.4	3.5	4
Throughputs				
Tonnes/hr	0.5	2 to 4	6 to 9	
US Tons/hr	0.6	2.2 to 4.4	6.6 to 9.9	
m <sup>3</sup> /hr	1	4	8	
Capacity (L)	150	400	2000	2000
RPM	6 to 10	6 to 10	6 to 10	4 to 15
Torque Nm	2000	8000	19000	25000
Motor Size (Kw)	2 to 5.5	5.5 to 7.5	7.5 to 22	7.5 to 22
Motor Current Draw	DOL 150% motor rating	DOL 150% motor rating	DOL 150% motor rating	DOL 150% motor rating

### Options

- Automatic start/ stop capability
- Sanitation fogger
- Automatic odor control system
- Fan extraction
- Liquid collection tank c/ w filters
- Custom hopper extensions to suit loading requirements
- Conveyor feeding
- Sausage wrapping kit
- Waste skip full warning system
  - To 1100L bin c/ w cowl
- Custom discharge tube options
  - Bin lift systems
  - Custom colors
  - Adjustable compaction density
  - Stand/ platform/ trailer options
  - Stand/ Roll On & Roll Off (Ro-Ro) platform mountings
  - 35 cubic yard docking bay and bin blank
  - Special motors to 45 Kw
  - Notched and double helix screws
  - Pallet tipper
  - Straight discharge tube:
    - To compactor bin
    - To 35 cubic yard Ro-Ro bin

### DISCHARGE OPTIONS



Standard 35 cu yd Ro-Ro container

IBC Nylon Sack

Standard 1100 litre Euro Bin

Polythene Sausage wrap

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Made from chlorine-free bleached pulp.  
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