

JASH SCREW CONVEYOR WITH WASH COMPACTOR

Screw conveyor with wash compactor is ideal for non hazardous transportation of waste removed by the screens installed in enclosed area with possibility of washing and compacting the waste with a view to achieve odor reduction, recovery of carbon content that comes along with the screened waste and reduction in volume of waste resulting in to reduced transportation costs and smaller land fill area.

It is installed behind the screen such that the waste coming from the discharge chute falls into the inlet portion of the washer compactor and is then gradually transported via a shaftless screw conveyor. The waste material is first taken to a washing zone where high pressure water jets are used to remove fecal waste that may have come along with the screened waste. The wash water is sent back to the waste water stream and the washed waste is then subsequently compacted within a compaction zone so as to reduce the water content and the volume of waste. This compacted waste comes out of the discharge hatch and is then transported for further disposal.

SPECIFICATION:

Capacity	0.75 to 13 m3/hr
Overall length	up to 8000 mm (320") in multiples of 1000 mm (40")
Angle of inclination	3-5 Degrees
De-watering performance	up to 60% DR
Volume and weight reduction	up to 80%
Material of construction of trough	Stainless steel 304/316 lined with polyethylene, other materials on request
Material of construction of shaft less screw	Alloy steel / Stainless steel



Screw Conveyor with Washer and Compactor



Drain Zone



Compaction Zone



2 Nos. Screw conveyor with washer compactor along with automated diverter for Degremont 15 MGD STP at DGN, New Delhi, India