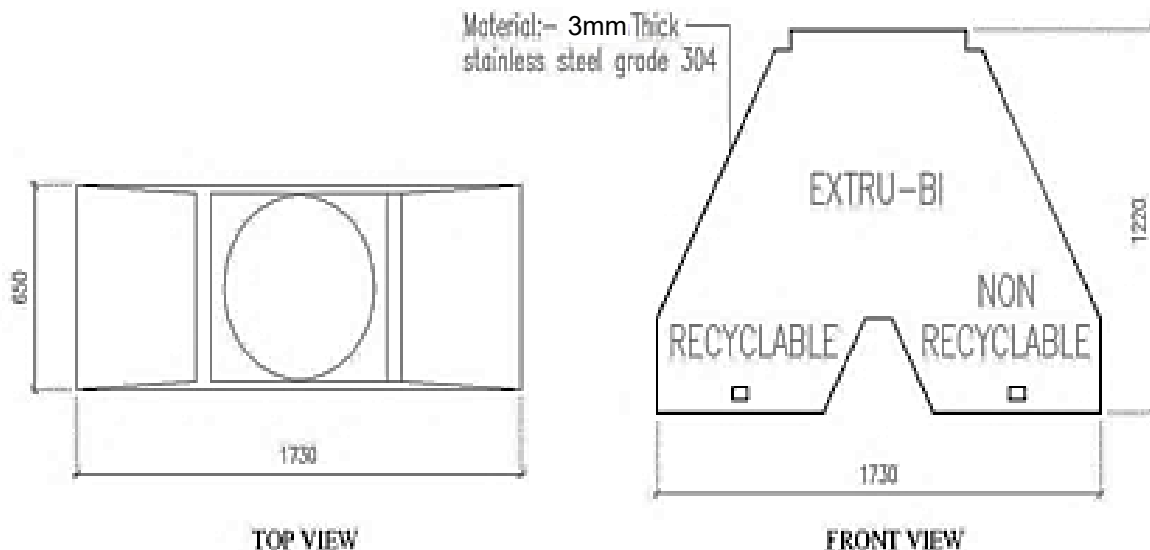


BI- SORTER SYSTEM (EXTRU-1501)

Bi-Sorter is located at main garbage collection room at ground floor. It has the following Parts:

- 1 – Main body: Full Stainless Steel; Material 3mm thick SS Grade 304. Switch plate 2x2mm with stiffeners, bearing by ball bearings 20 mm, movement by pneumatic cylinders and valves, including Control unit. Power input 1.0 kW 230VAC.
- 2 – Intake Section: All kind of waste materials passing through the intake section to the Bi-Sorter system.
- 3 – Separator Door: It is a movable type door which works as a separating door for recyclable and non recyclable materials. An actuator is used to place the Separator to its right position. Separator Door is made from Stainless steel grade 304 and 5mm thickness.
- 4 – Recyclable & Non Recyclable Out: Recyclable & Non Recyclable Out are the delivery sections for Recyclable and Non-Recyclable wastes respectively. All the waste materials are collected corresponding SS trolleys placed under the Bi-Sorter.



BI SORTER

How does it Work:

- There is two push buttons are provided on all hopper doors. One is for Recyclable and other is for Non-Recyclable.
- Press the recyclable push button to throw the recyclable wastes.
- Then the corresponding signal is passing to the main control panel which gives the information to actuator. The actuator starts functioning and it actuates the movable Separator door to open the recyclable delivery port. Same time the non-recyclable port will be closed completely. This will take 3 seconds to move Separator Door 600 mm radial distance (from recyclable to non-recyclable port).
- Open the hopper door only when the push button lights ON. And throw the garbage which will be collected in Recyclable Trolley placed under the Bi-Sorter Unit. At the same time all other hopper doors will be locked automatically.
- Same procedure is for Non-Recyclable wastes.
- A sensor system will be provided to lock the all hopper doors when the trolley is full. It will be connected to the alarm system in the garbage room.

END SECTION

BI SORTER



Design: Full stainless steel 304 body, Side plate t=3mm,

Potential free
Signals for:

- Garbage typ1 - recycle garbage
- Garbage typ2 - non-recycle garbage