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Sorting and pre-packaging automatic machine for recyclable domestics wraps.

- Worldwide invention, developped and patented in France -

Betty-Box automatically makes many tasks all alone:

Reception of containers and various packagings: all usual domestics wraps,
Identification of different products natures: glass, tetra-pack, aluminium, steel, plastics, ...
Non-recyclable elements elimination (caps cutting, tags brushing,...),
Contributions weigh-in and measure (1 l bottles, 33 cl cans,...),
Packagings sorting on 6 or 10 products classes (different plastics, glasses by color etc...),
Packaging and storage « final products » directly useable by industrialists,
Price indication corresponding to the contribution value (nature / weigh / market price),
Allocation of a price (or credit on loyalty card or purchase voucher) transferred to the customer.

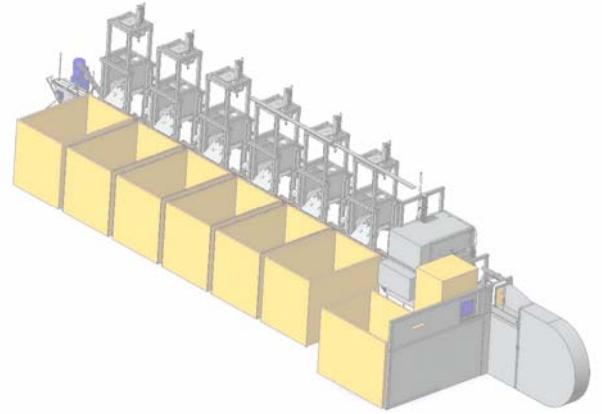
Betty-Box allows to:

- register in a general politic of voluntary contributions and environment protection,
- increase collected packagings deposits,
- decrease by technology times and collective costs regarding collect and sorting,
- financially promote contribution and recovered materials processing,
- be used as an education or marketing tool for environment and waste management,
- guarantee a sorting quality superior to the actual demands of industrial consumers,
- assure an ecological investment which would be economically guaranteed by materials resale.

MATERIAL DESCRIPTION

⇒ **type « BB6 »** : 6 products automatic sorting (glasses, colored PET, light-colored PET, steel, aluminium, discards, Tétra et PEHD) and non-sorting and non-compensated papers and cardboards recycling.

⇒ **type « BB10 »** : 10 products automatic sorting (white glass, green glass, brown glass, PEHD, light-colored PET, colored PET, steel, alu, tétrapacks, discards), and non-sorting and non-compensated papers and cardboards recycling.



SETTING-UP CONDITIONS

- relatively flat land with tar, asphalt or concrete surface,
- 380V 25A electric supply,
- water supply for cleaning (average 30 liters per week),
- drainage system with discharge spout on the floor,
- machine shelter (from coldness, wind and damages...),
- phone supply and internet admittance (tonnages transmission, failures control and dumpsters filling up, statistics...),
- materials storage: dumpsters with 15 m3 capacity at proximity (for the BB10),
- electric pallet truck (dumpsters carriage to the collect truck),
- forklift (self-dumpsters carriage).

PROCESSING CAPACITIES

Minimum 1 ton per day (12 opening hours).

NB : about on average 3% of discards, composed of non-identified products, layered or non-conformed.

COMPLETING OPTIONS (required equipments, provided in options if the buyer don't have that at hand)

- **protective building, standard model type « closed hangar »**

Dimensions (l X L X h) : 16 metres X 7 m X 3 m - BB6

Dimensions (l X L X h) : 20 metres X 7 m X 3 m - BB10

- **air compressor (1 system per area for 1 à 3 machines)**

Type : capacity of 1000 litres/min and 5 kW.

- **Air dry out machine (1 system per area for 1 à 3 machines)**

Recommended for hygrometric and temperature variations.

- **dumpsters (18 dumpsters per machine for BB6 - 6 dumpsters X 2 + 6 for rotation / 30 dumpsters per machine for BB10—10 dumpsters X 2 + 10 for rotation)**

Type : galvanized steel rolling

Dimensions (l X L X h) : 1.10 metres X 1.00 m X 1.10 m

Capacity : average 1200 litres/ dumpster.

NB : for the « BB10 », dumpsters and press are in the same corpus (mobile press + special vertical self-dumpsters + way of bearing).

- **maintenance contract**

It contains permanent hotline, machine control and repair from a distance, observations, statistics emission and one trip by year.

SERVICES

BTI also proposes different complementary services:

Logistic management softwares arranging and assembling, additionnal trainings, stage-managing of material management, inclusion on waste management systems, upstream modalities of setting-up (highway engineering and technical conditions, appropriated dimensions, planification...), accompaniement for descriptive and visual communication...