

TrashBot

**Automated
Material Recovery Facility**

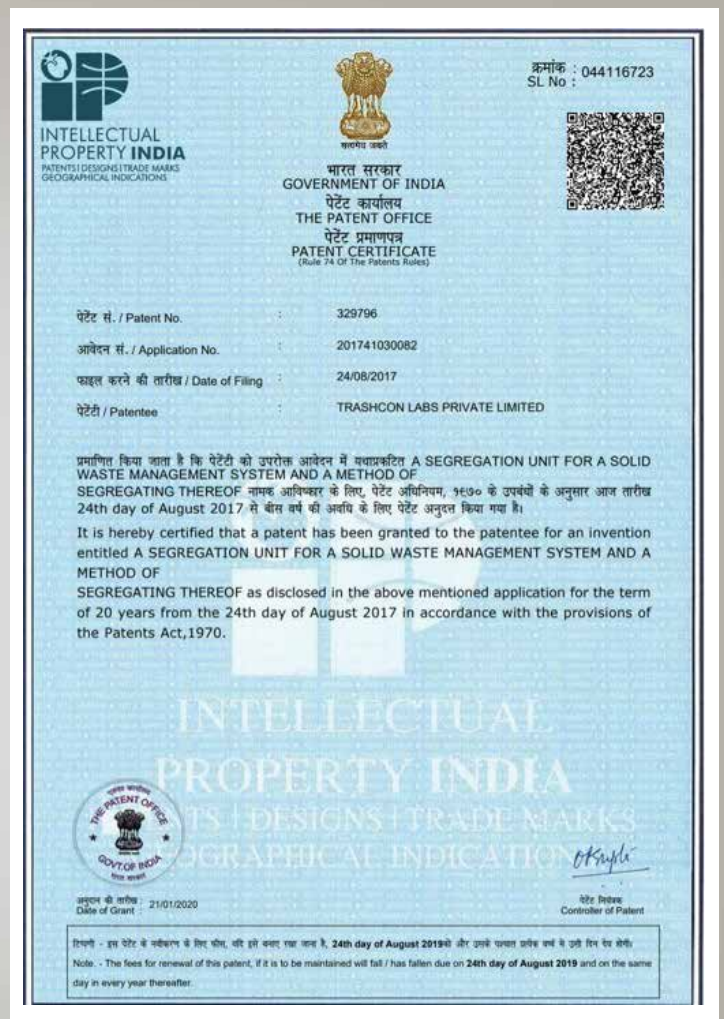


About TrashBot

TrashCon's patented and globally awarded Material Recovery Equipment helps recover dry waste, wet waste, ferrous metals and inerts from fresh municipal solid waste with a minimum efficiency of 85%.

In short, the fresh municipal solid waste goes as input into the TrashBot, which then using its patented process separates the mixed waste into wet, dry and ferrous metals.

The TrashBot is capable of integration with eddy current separator to recover aluminium and with optical sorters to recover different fractions like HDPE, PET, paper, etc from the dry waste.



Applications



Villages



Towns



Cities



Townships



Municipality
Wards

Capacities (Tons/Day)

10T | 25T | 50T | 100T | 250T

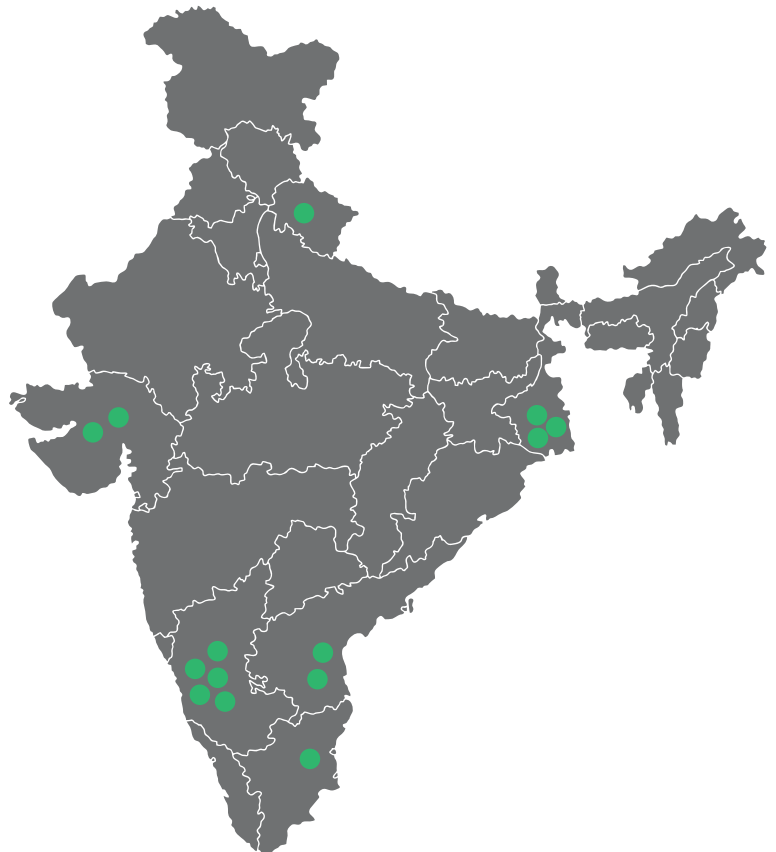
Over 2 million+ lives positively impacted

Proven Technology **20+**
Cities in **6 States** in India

Preventing **500 tons** of
waste/day from landfills
soon will be preventing
1500 tons per day

Exporting to Philippines,
Middle East, Sout East Asia

Launching multiple units
of **250 T/day** plant in
4 States in India
by Mar-2023



Satisfaction Reports



Customer Testimonial

“3 Gram Panchayats have become completely zero waste with automated TrashBot which segregates mixed waste into wet and dry waste. We compost the wet waste and give it to our farmers while TrashCon buys back the plastics from us to be recycled in to WoWBoards. We would like all the Districts to adopt TrashBot and become Zero Waste!”

HV Manjunath, Ex-President

Chikkaballapur Zilla Panchayat

Our Quality Commitment

WE SOURCE ONLY FROM THE BEST IN THE INDUSTRY

Schneider
Electric

SIEMENS

JSW

TATA STEEL

What can a municipality get?

With the help of TrashBot, Bommasandra (Bangalore) was turned into a garbage-free town, and 14 blackspots were reduced to zero.



Till 2020



After 2020

- 14 Blackspots Cleared
- 30 People Rehabilitated
- Higher Ranking in Swachh Survekshan
- Internationally Covered by WEF

Key Impact

- Benefits due to lower volume of transportation to the dumping ground
- Landfill volumes reduce / negligible hence reduced bio-remediation, landfill cost
 - More carbon credits
 - Zero waste facility
- Revenue is generated out of waste promoting circular economy

Financial Benefits

Operating Cost INR 60-90 per ton

Savings per Ton INR 500-1000 per ton



Benefits



Achieving Segregation
Efficiency of 85 - 90%



Dignified Employment
for Stakeholders



Acceptable Wet Waste Output
for Compost / Biogas



Over 85% Waste is Recycled / Reused

Features



Plug and Play



Works Across Moisture Content



Can be Handled by Unskilled Workers



Modular

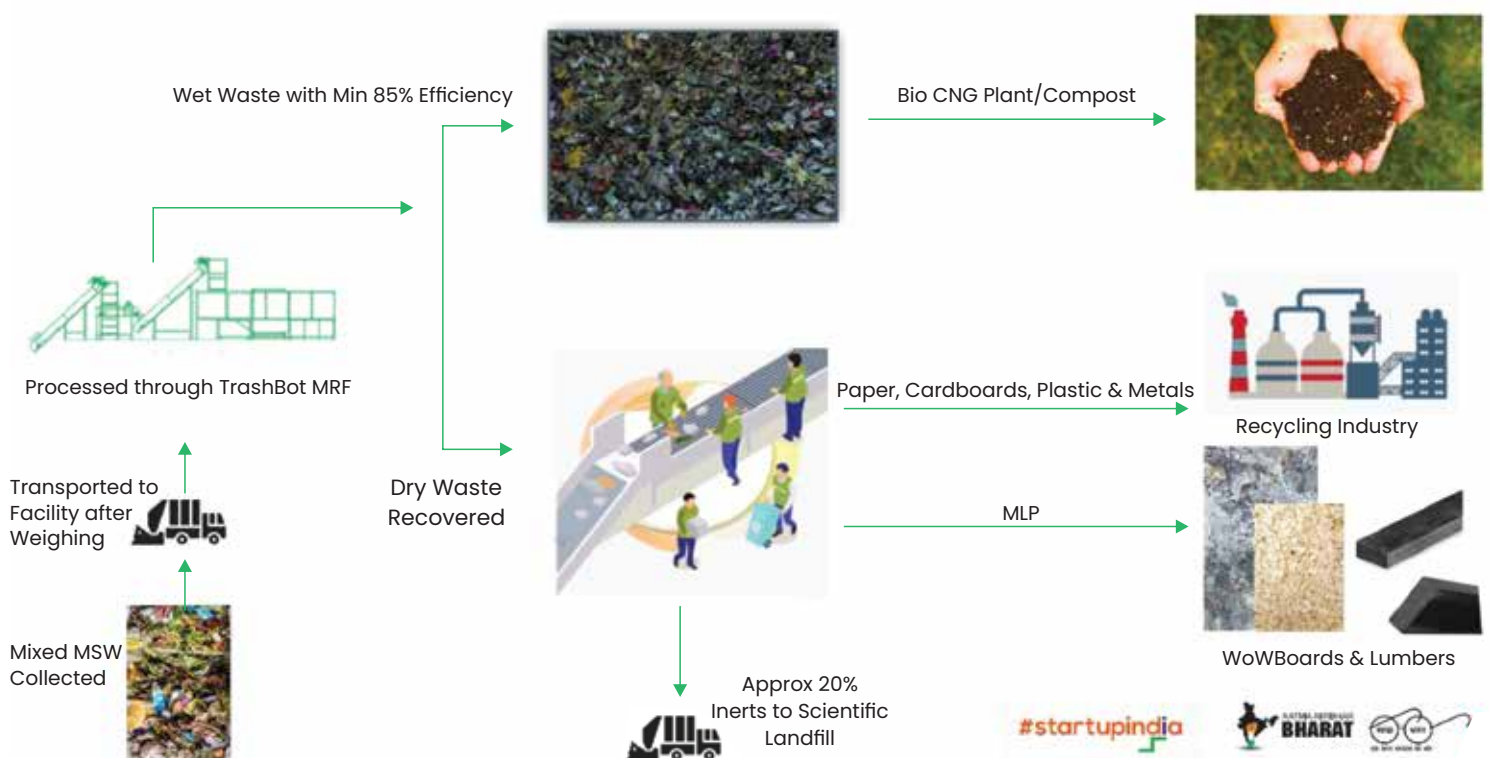


Highly Automated

How it works

- 🌱 Mixed municipal solid waste is tipped gradually into the hopper of the input conveyor, the waste passes through pre-sorting unit where restricted items like carpets, mattresses, etc are removed. The waste then passes through a bag opener where the bags are opened and the waste flows out on to the loading conveyor.
- 🌱 From here the waste enters the heart of the segregation chamber, the food particles sticking to the plastics are loosened due to the shearing movement and falls like a thin curtain in front of a calibrated high pressure, high-speed pneumatic unit.
- 🌱 When pressurized air hits the waste curtain, the lighter particles in the dry waste such as the plastics, paper, leaves, twigs, light cardboard etc are flown to the other end of the machine and are collected.
- 🌱 The heavy wet waste falls closer to the pneumatic unit and passes through series of mechanical units that separate particles based on size after which there is further recovery of any dry waste and removal of ferrous metals.
- 🌱 The dry waste passes through an optional secondary recovery unit where recyclables like HDPE, paper, LDPE etc are removed on a conveyor or through optical sorters.

TrashCon's Solution



TRASHCON

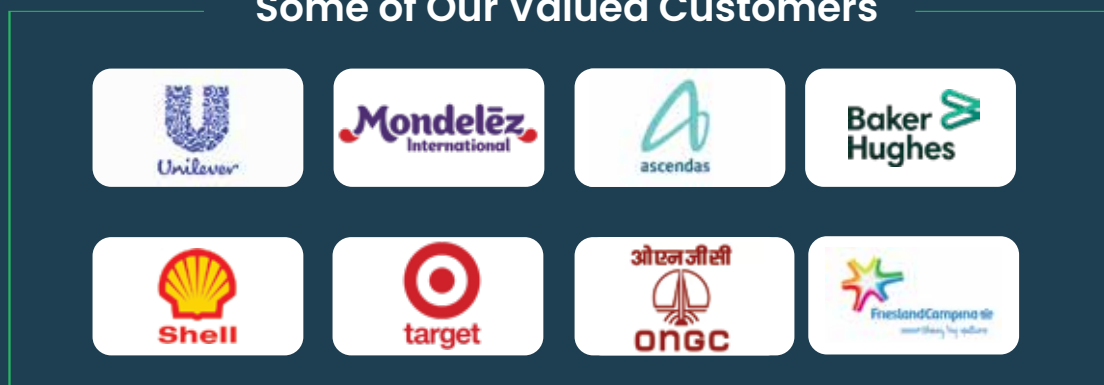
is Making Headlines



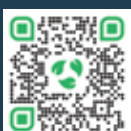
Awards and Recognition



Some of Our Valued Customers



**Waste management is now easy and affordable, let's
come together to create a sustainable environment.**



Scan the QR code and leave us a message,
we will have one of our representatives
get in touch with you.

For more information please visit
www.trashcon.in or call +91 789-917-8777