



Zero Solid Discharge; **Waste to Air TM.**

Co. Name	Dr. Reddy's Lab	Amoli Organics	Aditya Birla Grassim Ind.	Asoj Soft Caps	Hester Biosciences Ltd	TSDF Site, Khambhat
Waste	Process Sludge	ATFD Salt	Epoxy Slurry	Gelatine	Hazardous Slurry	Inorganic
Reduction	95%	97%	93%	96.25%	81.90%	75%

1. Without any Solid Waste Segregation.
2. Reducing OPEX More than 50 %
3. Negligible residue.
4. Emissions Compliant with CPCB.
5. No manual exposure to waste.
6. Reduce CO2 emissions, hence carbon offset.
7. Carbon offset = Carbon Credit.

Features	Low-Cost Pyrolysis Technology				
Capacity (Ton /Day)	0.5	1	2	5	10
Per hour feed (Kg/Hr)	25	50	100	250	500
Size (Mtrs.)	3 x 5	3 x 5	5 x 8	8 x 11	12 x 12
End Product	Negligible Ash with most organic converted to Non-Toxic Air.				
Process	Flameless Combustion in Oxygen Controlled Environment.				
Waste Type	Non/ Biodegradable & Hazardous Solid and Semi-solids				
Moisture %	Up to 75%				
ESG Compliance Feasibility	Partial	Partial	Full	Full	Full



Moisture Removal Plant (**Steam less**)

Co. Name	Aarti Pharma Lab	SNJ Labs.	Trans Thane Creek W. M	Gujarat Fluorochemical	CETP Sludge Naroda.
Material	Bio/ Primary	Bed Slurry	ETP	Calcium/ Brine	Enviro Plants
Moisture Reduction	99.78%	83%	92.40%	93.21%	80%

1. 90-95% Moisture Reduction.
2. Operational Cost Reduction By 60-80%.
3. OPEX 0.5 to 1.5 INR/Kg*.
4. Totally Electrically Operated.
5. Low energy Consumption (0.1 Kw/Kg*).
6. Fine Material As End Product.
7. Continuous Process.

Capacity	1 Ton	2 Ton	5 Ton	10 Ton	20 Ton
Feed Input Capacity	50 Kg/hr.	100 Kg/hr.	250 Kg/hr.	500 Kg/hr.	1000 Kg/hr.
Output Capacity	5-10 Kg/hr.	10-15 Kg/hr.	25-35 Kg/hr.	50-80 Kg/hr.	100-175 Kg/hr.
Before Moisture %	75-80%	75-80%	75-80%	75-80%	75-80%
After Moisture %	≤10%	≤10%	≤10%	≤10%	≤10%

Premium Applications Use Case

Drugs	Precision moisture & parameter control to help increase drug life.
API & Pharmaceuticals	To maintain precision Vacuum & Moisture for formulation, reducing production cost.
Food Industry	Control Food Appearance by parameters and oven air flow control, thus increase Shelf life.
Textiles	To Increase uniform dye penetration by multi-layer heating of material.