

Malhari Projects Pvt Ltd

Waste Disposal Machine Manufacturer

Moisture Removal Plant (Steamless)

Steam Less

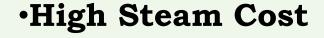


Problem

OPEX is very high for removing the moisture in the Raw Material, Product or Waste

Due to Steam cost.







Moisture In Dry Cake



Not in Powder Form



Solution: Moisture Removal Plant (Steam less)

- 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 with less human expose



Moisture Removal Plant (Steamless) Performance Study

Company Name	Aarti Pharmalabs	Aditya Birla Grasim	Dr. Reddy's Laboratory	Gujarat Fluro Chemicals (GFL)	Tatva Chintan Pharma Chem Ltd.	Trans Thane Creek Waste Management Association
Waste Name	Bio & Primary Waste	Epoxy Sludge and Slurry	Process Effluent Sludge	CaCl₂ Sludge	Chemical Sludge	Mix Sludge
Feed Moisture %	70.50%	88.88%	82%	70%	80%	75%
Output Moisture %	0.15%	1.40%	2.15%	7.75%	6%	5.70%
Moisture Reduction%	99.78%	98.42%	97.37%	93.21%	92.51%	92.40%

Note: We have also achieved moisture content <1% in some cases. So it can be customized.

04/06/2025



Our USP

Parameters	Dryer	Radiating Dryer; Steamless	
Input Moisture %	70-80%	85-90%	
Output Moisture %	≤ 10-15%	≤ 5-7%	
Working Temperature	150-250 °C	350-450 °C	
Heating Transfer	Conduction	Radiation	
Output Material	Soft Granules	Powder	
Heat distribution	Non-Uniform	Uniform Heat	
Energy Consumption	1+ KW/Kg.	0.1 KW/Kg.	
Utility Required	Boiler	Electricity	
Accessories	Utility Piping and Insulation	None	
Process	Paddle, Tray	Continuous	
Opex	6-7 Rs.	0.9-1.4 Rs.	
Skills	Skilled	Semi-skilled	
Working Objective	Moisture reduction	Precision Parameter control	
Maintenance	Regular	Preventive	

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Malhari Projects Pvt. Ltd. THANKS, TO YOU



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