



Infinite Energy Flash Dryer Applications



Brewers Spent
Grain



Ayurvedic Extract
Spent



Wood Chips



Sugarcane Bagasse



Turmeric Spent



Spent Mushroom
Substrate



Agro waste Briquetting Unit



Pellet Plant



Gasifier

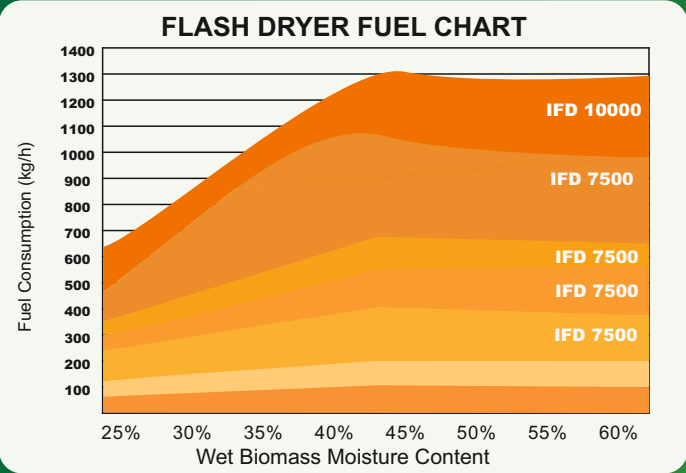
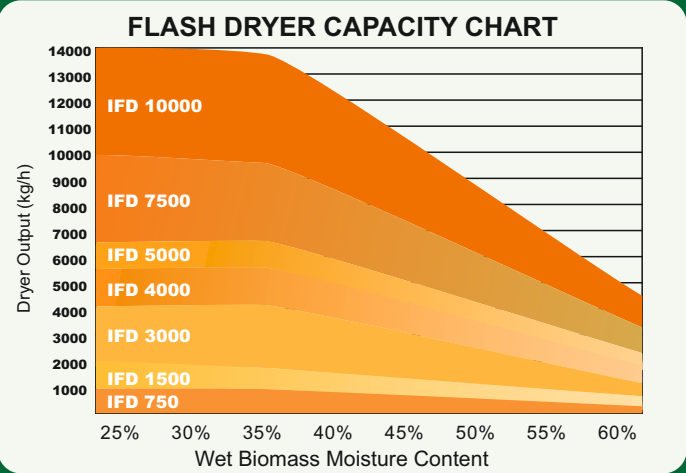


WE DRY HARDER !

IFD is an extremely efficient continuous flow Flash type dryer that uses a simple technology with smart innovations that make it a "one of a kind" equipment in the market. It can drive off absorbed from a wide variety of material with inlet moisture contents as high as 65%, practically instantaneously, with maximum efficiency and minimum energy consumption.

Operation of the IFD is straightforward, The wet material is fed through customized feeding system & is dispersed into a stream of carrier gas conveys it through a drying loop. The turbulent dispersion and mixing of the wet particles in the carrier gas generates a cooling effect provided by the fast evaporation of the moisture from the particle surfaces.

The system is kept under a negative pressure by the exhaust fan and the surface area of the product is increased enormously so that water or other solvents is evaporated instantaneously. Product is collected/separated using cyclones.



Design & Performance Parameters

	IFD 750	IFD 1500	IFD 3000	IFD 4000	IFD 5000	IFD 7500	IFD 10000
1. Capacity* (Dry Material O/P < 15%) Moisture Content at Inlet							
a) < 30%	1,100	2,200	4,500	6,000	7,000	10,000	14,000
b) < 45%	750	1,500	3,000	4,000	5,000	7,500	10,000
c) < 60%	375	750	1,500	2,000	2,500	3,750	5,000
2. Fuel Consumption# (Kg/h)	75-115	150-220	300-410	420-550	450-720	700-980	1,100-1,350
3. Total Connected Load (HP)	14.5	26	60	82	104	154.5	196

SALIENT FEATURES OF IFD

- Best value for money - Simple and economically priced solutions.
- High drying Efficiency, Drying is completed at low outlet drying temperatures, giving high energy utilization efficiencies.
- Sturdy Basic design, Fewer moving parts for Longer life, high availability & high reliability, continuous processing.
- Space saving designs, High processing capacities in relatively small amount of space.
- Low operator overheads and minimum maintenance costs.
- Backward curved radial blower for maximum efficiency & longer impeller life.
- Flexi Seal airlock for handling both fibrous & non uniform Biomass.
- Effective drying with low Energy (Fuel & Power) requirement.
- Ease of Installation ,Great Flexibility in layout with automatic output moisture control.
- Simple System with short period for heating up & start.
- High Efficiency Cyclone for minimum pollution & material loss.
- Capacity ranges from few hundred kg/h to 20 MTPH.






 **Infinite Energy Pvt. Ltd.**

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Infinite Energy
FLASH DRYER



-  Maximum System Efficiency
-  Maximum System Availability
-  Minimal Reliance on Operators
-  Less Parasitic Load
-  Ease of Maintenance



INNOVATIVE.EFFICIENT.EXCELLENCE.PASSION.DIVERSITY

In view of the continuous development, I(E)P, reserves the right to change/modify the design/specifications without prior notice