

Product Name :
Forced Draft Tray Dryer**Product Code :**
ALABS-A153-023**Description :****Forced Draft Tray Dryer**

The set-up is designed to demonstrate and stimulate the moisture removal by heat under forced draft action created by hot air stream.

The set-up consists of an insulated double wall chamber. Inside the chamber a tray is attached directly to an electronic weighing balance, which is fitted on top outside the chamber. Material for drying is placed in the tray and regular loss of weight is monitored. Air from blower passes through heating chamber to produce hot air works as the drying agent entered from one side of the chamber and leave the chamber from other side removes the moisture from the tray. An arrangement is made to vary and measure the airflow rate. A digital temperature controller is used to control and measure the temperature of air stream.

Experiments :

- Determination of rate of drying of wet sawdust under different conditions of temperature and air flow

Features :

- Superb Painted structure
- Simple to operate & maintain
- Compact & stand alone set up

Utilities Required :

- **Electric supply** Provide 230 +/- 10 VAC, 50 Hz, single phase electric supply with proper earthing. 5A, three pin socket with switch for weighing scale, 15A, three pin socket with switch for heater
- **Material** Saw dust @ 1Kg.
- **Anemometer** Air flow measurement

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