

## **CONTINUOUS WET CUM DRY GRINDING MACHINE FOR FOODS**

The invention is useful for continuous wet cum dry grinding of ingredients for preparation of batter for idli and dosa, food materials which are used for preparation of snack food and other adjuncts during large-scale preparation for mass feeding. The continuous wet cum dry grinding machine for foods can produce batter of rice, urdh dal and other spices used for the preparation of pastes for sambar etc. The batter obtained using this device are uniform particle size and obtained in a continuous manner.

### **Technical specifications**

• Capacity of Grinder	:	40~50 kg/ h
• Motor Horsepower	:	1.0 HP
• Supply voltage	:	440 VAC/ 1 Ph/ 50 Hz
• Material of Housing	:	Stainless Steel
• Weight of the machine	:	20 Kg (Aprox.)
• Floor space needed	:	0.4 * 0.4 Sq.M
• Height of the machine	:	0.5 M

Suggested capacity of the fabrication unit: 25 machines per annum

Average production cost/ unit: Rs.60,000/-

### **Project Economics- Fixed Cost – Working Capital (in Rs.'000) (Estimate for a model project)**

(a)	Land & Building (300M <sup>2</sup> )	900.00
(b)	Principal plant & equipment	1250.00
(c)	Other fixed assets	50.00
	Preliminary/ preoperative expenses	250.00
	<b>Total Fixed Capital</b>	<b>2450.00</b>
	Working capital (Margin)	200.00
	<b>Total project cost</b>	<b>2650.00</b>

### **Technology/Manufacturing Process – Availability:**

The design drawing for **Continuous wet cum dry grinding machine for foods** has been developed at CFTRI, Mysore, after taking up sufficient trails on the proto type machine. The CFTRI has the necessary expertise to provide technical assistance and guidance for setting up of fabrication unit of this machine (the facilities can also be used for fabrication of other food processing equipment's also). The CFTRI can offer further technical assistance for development and problem solving under technical consultancy arrangements.