

FORMING AND FRYING MACHINE FOR FOODS

1. Introduction:

The equipment relates to forming and frying machine for foods such as Poory etc. The invention is useful for forming and frying any food material, which can be served as breakfast and snack food. This machine can produce Poory in square and rectangle shape. The food materials obtained by using this device are uniform in dimension & geometry and are obtained in a continuous manner.

2. Raw Material:

Mild steel, stainless steel, plastic

3. Technical specifications:

Capacity of the machine	:	800 Nos./ hour
Liquid Petroleum Gas (LPG)	:	1.0 Kg
Motor Horsepower	:	1.0 HP (3 motors)
Compressor	:	2 HP (100 l volume receiver)
Supply voltage	:	230 VAC/1 Ph/ 50 Hz
Material of Extruder	:	Stainless steel
No. of extruders	:	2
Weight of the machine	:	90 Kg (Approx.)
Floor space needed	:	1.0 * 1.0 Sq. M
Height of the machine	:	1.0 M

Suggested capacity of the fabrication unit: 25 machines per annum

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

(a)	Land (300Sq. M)	75.00
(b)	Building (200 Sq. M)	800.00
(c)	Principal plant & equipment	1150.00
(d)	Auxiliary equipment	65.00
(e)	Other fixed assets	50.00
	Preliminary/ preoperative expenses	202.00
	Total Fixed Capital	2342.00
	Working capital (Margin)	200.00
	Total project cost	2542.00

Means of Finance

- Promoters contribution	635.5
- Term loan	1906.5

5. Technology/Manufacturing Process – Availability:

The design drawing of **Forming and Frying machine for foods** has been developed at CFTRI, Mysore. 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 equipments also). The CFTRI can offer further technical assistance for development and problem solving under technical consultancy arrangements.