

DOMESTIC MULTIPURPOSE DOUGH SHAPING AND FORMING MACHINE

1. Introduction:

Shaping and forming machine in an unitary machine ensuring uniformity of thickness. The thickness can be varied in a single set up. The premixed dough is processed into uniform disc shaped pieces initially and subsequently formed into circular or spherical dough bodies of predetermined size and thickness in a single machine prior to baking or cooking. This machine is useful to prepare huge quantities in lesser time under hygienic condition.

2. Raw Material:

MS angles & plates, MS Shafts (assorted), SS plates, geared motor, gears, bearings, bolts & nuts, packing material, etc.

3. Technical specifications:

Capacity of the machine	:	10 Kg/ hour
Diameter range	:	125-165 mm (adjustable by varying the plate gap)
Gap between the plates	:	85 mm (can be varied up to 100 mm)
Weight of the machine	:	15-20 Kg
Dimensions of the machine L*W*H	:	585mm*440mm*560 mm

Suggested capacity of the fabrication unit: 40 machines per annum

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

	Principal plant & equipment	40
	Working capital (Margin)	200
	Total project cost	240

5. Technology/Manufacturing Process – Availability:

The design drawing for **domestic multipurpose dough shaping and forming machine** 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 equipments also). The CFTRI can offer further technical assistance for development and problem solving under technical consultancy arrangements.