

Comminuting Mill DTCM-300-16 & DTCM-300-32



The comminuting mill machine is primarily used for wet and dry granulation, pulverization in food, pharmaceutical, chemical and other industries. The machine is provided with semi-concave teeth in rotor and stator which helps in reducing the motor HP, and hence assures improved performance. The final output of the material depends on the beaters shape, speed and screen size.

Working Principle

The material enters the inlet hopper of the pulverizing comminuting mill before sliding down to the enclosed chamber where it will go through milling between beaters and screen. The reduced size material would then be collected from the bottom of the comminuting mill. There is decent variety in screen size, knife edges, speed so as to meet the customized needs.

Salient Features

- The pulverizer mill follows cGMP principles.
- All the contact parts are made of AISI 316/ 316L while non-contact parts of AISI 304.
- Coupling between the motor shaft and rotor shaft facilitates maintenance.
- Beaters are assembled separately in pillow blocks for smooth operation.
- Provided with castors for easy mobility.
- Low heat transmission loss.
- Fritz mill machine is available for plain and water jacketed model.
- Provided with three oil seals between the motor and the processing chamber to stop the liquid from entering the motor windings.

Technical Features

Here are the technical specifications for the product:

MODEL	DTCM-300-16	DTCM-300-32
Output *	25-300 Kg / Hour	Above 300 Kg / Hour
Rotor speed	1000 – 2250 – 4400 RPM	1000 – 2250 – 4400 RPM
Rotor Blades	Fix Beaters (Stainless Steel with knife and impact edge).	Fix Beaters (Stainless Steel with knife and impact edge).
Beaters quantity	16 Nos.	32 Nos.
Feeding	Manual	Manual
Screens	1. Round/Square hole perforated S. S. Sheet	1. Round/Square hole perforated S. S. Sheet
	2. Woven S. S. wire mesh	2. Woven S. S. wire mesh
Electrical Motor	5.5 HP / 1440 RPM / 3 Phase	7.5 HP / 1440 RPM / 3 Phase