

# Double Cone Blender



Ideal for mixing, lubricating and blending in Pharmaceutical, Nutraceutical, Food, Chemical, Cosmetics, Ceramics, Pesticide, Plastics and other Allied Industries



## Process :

Double cone blender is an efficient and versatile machine for mixing of dry powers and granule homogeneously.

The Double Cone Blenders have conical shape at both ends to enable uniform mixing and easy discharge. It can perform homogeneously dry mixing of free flowing powders, granules requiring low shearing force, Mixing and Blending of particles with rapid intermixing of particles irrespective of varying specific gravities. The material is loaded into the double cone blender drum. The double cone blender tumbles the material in the container and spread out.



## Salient Features:

- cGMP model with all product contact parts AISI 316 & non contact parts AISI 304.
- Double Cone shape product container is Ideal for dry mixing, lubrication of granules and homogenization mixing of multiple batches in to single batch.
- Enclosed rigid drive with reduction gear box and motor.
- Product container having discharge with butterfly valve and man hole.
- Safety railing is provided for rotating area of product container.
- Fixed baffles provided for lumps braking.

## Optional Features:

- Charging Option:
  1. Loading & Unloading by Product container with Jacking trolley.
  2. Vacuum conveying system.
  3. Bin loading by hydraulic hoist.
- AC Frequency variable drive for product container.
- PLC Controls with HMI touch screen,
- Flame proof Electricals.
- Loading / cleaning platform.

## Safety Features:

- Safety railing with limit switch, Overload protection and emergency stop.

Model	DCB-30	DCB-150	DCB-300	DCB-500	DCB-1K	DCB-1.5K	DCB-2K	DCB-2.5K	DCB-3K	DCB-4K
Gross Capacity	30	150	300	500	1000	1500	2000	2500	3000	4000
Working Capacity in Litres	20	100	200	350	750	1000	1400	1750	2100	2800
RPM	20	20	20	20	20	15	15	10	10	8
HP/kW	0.5/0.37	1.0/0.75	1.5/1.25	2.0/1.5	5.0/3.75	7.5/5.62	10/7.5	15/11.25	15/11.25	20/15

## Dumra MACHINES

Parshva Industrial Park, Plot No. 25, S. No. 89/1, Near Weener Empire, New GIDC, Umbergaon - 396170, Gujarat, India.  
Tel.: (+91) 0260 2565953/2565954, Email: dumra@dumramachines.com / dumramachines@vsnl.net