

# Oscillating Granulator



Dry Granulation, Wet Granulation, Screening, Crushing, Breaking.

Ideal for gentle homogenization, size reduction, grading and sieving of dry, sensitive powders and granules in pharmaceutical, chemical and food industries.



## Process :

Oscillating Granulator has one rotor with five edges, which oscillate on horizontal axis. There is one half round sieve mounted at the bottom of the rotor. Product is charged from the top through in-feed hopper and material falls on the rotor blades. The particles are broken by a set of oscillating bars arranged in cylindrical form over a screen of suitable mesh. Due to the sharp edges on rotor, the downsizing of particle takes place and through sieve material gets pushed outward from the bottom opening.

The oscillating motion of the rotor improves the granulating process. The important feature of the oscillating granulator is the continuous force and speed applied to the material. The back and forth motion of the rotor results in an even distribution of the material.



### Salient Features:

- cGMP model with all product contact parts AISI 316 & non contact parts AISI 304.
- Uniformly granulation generates less fines.
- Easy to operate; move, clean, convenient to install in Production line

### Optional Features:

- Flame proof electricals.
- Variable speed by VFD

### Sieve/ Perforated screen:

- Dumra offers a variety of sieves available in the market today. It includes fine sieves and perforated screen to meet the most demanding customers requirements.
- Range: 0.5 mm to 10 mm.

### Technical Specification:

Model	DOSG -200
Output	Up to 200 Kg /Hour
Oscillating Speed	48 per minute
Screen Size	440 x 600 (mm)
Hopper Capacity	35 Ltrs
Motor HP/kW	1.0/0.75

## Dumra MACHINES

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