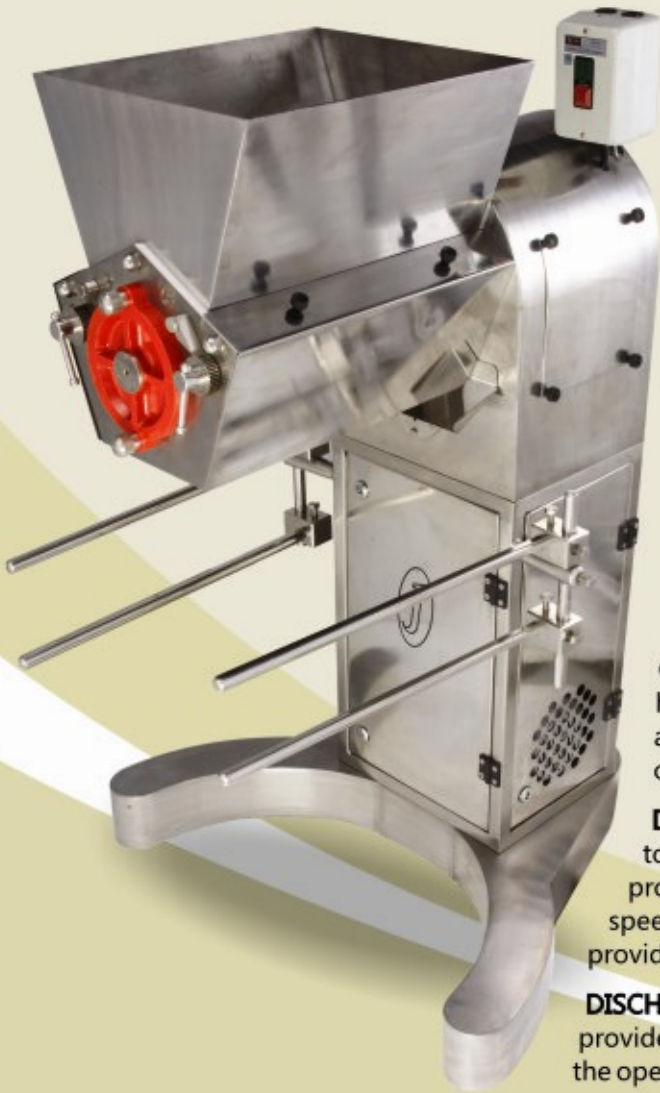


# OSCILLATING GRANULATOR

Designed for efficient and uniform granulation of dry and wet lumps of powders



**MAIN STRUCTURE:** Fabricated from 304 grade stainless steel for GMP compliance. Complete body is mounted on a strong stainless steel base for sturdiness.

**POWDER HOPPER:** A 35 liter gross volume hopper is provided for feeding sufficient material for process and is made out of stainless steel 304 GR material, 10 SWG thick sheet.

**ROTOR ASSEMBLY:** The horizontal rotor assembly consists of stainless steel 304 GR. Hexagonal rods and S.S. plates with a main rotor shaft of 25mm dia S.S. The newly designed of the rotor is such that it gives the perfect and homogenous granulation of the material. This rotor Oscillates' (alternately rotates in clockwise and anti-clockwise direction) at approximately 48 rpm.

**CAPACITY:** Actual output capacity depends upon the nature and bulk density of powder, as well as operator skill. However, for most pharmaceutical products, an output of about 100 kg per hour can optimally be achieved.

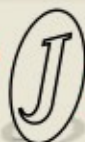
**GRILL COVER:** Grill type removable cover is provided inside hopper. This grill cover protects operator from oscillating rotor and also prevents any accidental dropping of scoop etc inside operating chamber

**DRIVING ARRANGEMENT:** A TEFC electric motor of 0.75kw power to run on 415 volts, 3 phase, 50 Hz, A.C. (other voltage on request) is provided along with a suitable reduction gear box to get final rotating speed of 48 rpm. A D.O.L. or Star-Delta type starter will also be provided.

**DISCHARGE:** Discharge of the machine can be collected on trays (not provided with machine) that are placed on tray bars provided underneath the operating chamber.

- F** **e** **a** **t** **u** **r** **e** **s**
- A traditional size reduction technology.
  - Suitable for production of granules from dry and wet materials.
  - Gentle grinding action of horizontal rotor against wire mesh gives uniform particle size.
  - Wire mesh or perforated mesh can be used.
  - Does not generate heat or dust, ideal for sticky heat sensitive products.
  - Hopper and rotor can be easily removed for cleaning.
  - Safety mesh on top of hopper and side guards are provided.
  - Output varies from 50 to 300 kg per hour depending on product and screen.

**JICON MACHINES**  
PRIVATE LIMITED



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