

YK Series Swing Type Granulator



The rocking granulator can make the mixed powder into granules, and can also pulverize the block dry material into the desired granules. It is suitable for granulation of dry bulk raw materials in the pharmaceutical, chemical and food industries and other irregular granules produced by granulation to increase fluidity. It is also suitable for re-granulation of unsatisfactory tablets. Under the forward and reverse rotation of the rotating drum, the equipment is forced to pass through the screen to make particles.

Working Principle

Driven by motor, trigonal strap and pulley, worm gear and worm, the pentagon hob driven by gear-axes will do periodic to-and-fro circumgyratetion under the control of eccentricity axletree and lifting rack. The materials move continuously and being controlled to extrude grains through the sieve mesh and rotor clearance. Its capability changes with different Moisture, classification, viscosity and mesh. The grains can be in different size. During the disintegration of materials, the coagulated solid materials are lashed and disintegrated in the roller made of pentagon hob, and force the materials through the sieve mesh.

Performance & Feature

1. The material is extruded from the screen to make granules, and the produced granules are uniform and do not need to be screened.
2. The screen is easy to disassemble, and the screens of different meshes can be replaced at will to make particles of different thicknesses.
3. The main shaft of the machine is above the gearbox, and a strict shaft head sealing structure is designed to ensure that the shaft does not leak oil, and does not penetrate the material, so as to avoid the material being polluted by lubricating oil.
4. By adjusting the tightness of the screen and the rotational speed of the drum, the particle size and density of the particles can be controlled to a certain extent.

Technical parameters

Model	YK-100	YK-160	YK-160B
Capacity (kg/h)	30-200	100-300	100-300
Power (kw)	1.2	3	5.5
Speed Of Cylinder (rpm)	65	55	55
Swing Angle (360°)	360°	360°	360°
Diameter Of Cylinder (mm)	Φ100	Φ160	Φ160
Overall Dimensios(L×W×H) (mm)	700*400*1050	1000*800*1300	100*800*1300
Weight (kg)	280	380	450