

## *ZKG-100 High Efficient Dry Powder Granulator Machine*



Rolling compactor is a new type of pharmaceutical equipment developed in recent years in the world. It is widely used in pharmaceutical, chemical, food and other industrial production. The raw material is directly dried and dry extruded into granules using only the crystallization water of the material itself. It not only simplifies the process but also improves the quality of the product. At present, the models produced internationally can be basically divided into two types: high pre-compaction type and low pre-compaction type. In terms of appearance, it can be divided into closed and open types. In terms of yield, it ranges from 5 kg per hour to 100 kg per hour. What we introduce here is our company's third generation product Rolling Compactor-100. It is a high pre-compaction type and a closed general-purpose machine applicable for pharmaceutical production and chemical and food industries.

### **Advantages**

1. This machine is a new equipment that uses the crystal water in the material to make the powder into granules directly.
2. No wetting agents (water or alcohol) needed, to avoid the instability of the produced granules.
3. Saving procedures (wetting, kneading and drying), with high efficiency.
4. Pre-pressing is applied by compression forming, so that high density, uniform weight, and no tablet breakage can be obtained.
5. Small size, easy to be cleaned, GMP requirements can be met.
6. Granule pelletizing after sheet extrusion.
7. Avoid pollution problems such as drainage and air pollution. Uniform granularity, high efficiency and high rotate speed.
8. Wide speed range, multiple uses. It can deal with gummy and greased materials of strong viscosity, high heat sensitivity, poor mobility and high humidity. It also has the advantages of a wide range of granulating mesh.

## Technical parameters

Model	ZKG-100
Max Production Capacity	50-100KG/h
	(will be different according to different material characteristics)
Granule Specification	0.4-2mm
Maxium Thrust	21T
Pinch Roller Size	φ200*80
Pinch Roller Rotating Speed	0-23rpm
Feeding Speed	10-40rpm
Crushing Granulation Speed	60-180rpm
Highest Working Oil Pressure	15MPa
Feeding Motor Power	1.5KW
Pinch Roller Motor Power	5.5KW
Crushing Granulation Motor Power	2.2KW
Total Power	9.5KW
Overall Dimension (L*W*H)	1500*1100*2180mm
Weight (KG)	1350KG