

Roller Compactor Dry Granulator CZK



CZK series dry granulator compresses dry powder into sheets and then breaks them down into uniform granules. All material-contact parts are made of stainless steel to comply with GMP standards. This makes it ideal for pharmaceutical, food, and chemical industries.

Equipped with an advanced PLC control system and touch screen interface, the machines offer many advantages. They include precise pressure control, speed adjustment, and recipe memory. Users can easily adjust granule size and density by changing mesh sieves and roller pressure. The rollers are made of wear-resistant materials, and a reliable pressure system allows the machines to handle both delicate herbal powders and tough industrial ingredients.



Features

✓ Adjustable pressure and particle

Size. Users can control the roller pressure and select screen mesh sizes to achieve different granule densities and sizes.

- ✓ **Compact and user-friendly design.** It is designed for minimal space usage with components like casters for mobility.
- ✓ **Strong pressure system.** The rollers apply pressure from multiple sides, and the system can handle materials that are pressure-sensitive or hard to compress.
- ✓ **Wide application range.** The granulator machine is ideal for pharmaceuticals, food, chemicals, and health products. It is used for tablet pressing or capsule filling directly.
- ✓ **Optional add-ons for flexibility.** Models may include vacuum feeders, cooling systems, or vibration screens to meet different production needs.

Technical Parameters

Model	CZK-10D	CZK-100D
Production Capacity	1 -10 kg/h	50-100 kg/h
Granularity	0.2-2 mm	0.2-2 mm
Roller Size	Φ100*35 mm	Φ180*60 mm
Maximal Pressure Force	120 Bar	120 Bar
Screw Feeder Rotating Speed	10-60 r/min	20-120 r/min
Maximal Granulating Rotating Speed	200 r/min	200 r/min
Maximal Roller Speed	10 r/min	16 r/min
Power	3 kW	8 kW
Weight	350 kg	1,500 kg
Dimensions	760x800x1,650 mm	1,500×1,100×1,980 mm