



Dry Granulator Machine

The dry granulator equipment offers an efficient and clean solution for dust-free granulation. It is used to meet the needs of pharmaceutical, chemical, and nutraceutical manufacturers. The machine adopts a roll compaction and milling method to form uniform granules. This not only saves energy and time but also reduces emissions. Whether you're producing tablets, capsules, or powder blends, the dry granulator offers low energy use and high output stability. It is an ideal choice for high-volume and high-precision production.

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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
PoMaximal Granulating Rotating Speedwer	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

Multifunctional Boiling Drying Granulator CFG-5D



The CFG-5D fluidized bed dryer is designed for fast, gentle, and uniform drying of powders and granules. It is widely used in the pharmaceutical, food, and chemical industries. It works through hot air to suspend the materials in a fluidized state. This makes quick moisture removal while preserving the material's original quality.

This dryer features a compact design and easy operation. Its intelligent control system allows precise adjustment of temperature and airflow to suit different drying needs. A high-efficiency built-in filter prevents dust leakage, keeping the environment clean and operators protected.



Features

- ✓ **High efficiency & energy saving.** Fluidized bed technology ensures fast drying while reducing energy use.
- ✓ **Consistent drying results.** Materials are heated evenly for stable and high-quality output.
- ✓ **Safe and reliable.** Built-in safety features provide secure and stable operation at all times.
- ✓ **Easy to clean & maintain.** The disassembly-friendly design simplifies cleaning and routine maintenance.
- ✓ **GMP-compliant design.** It meets strict pharmaceutical production standards for different applications.

Technical Parameters

Model	CFG-5D
Production Capacity	0.5-5 kg/time
Fan Flow Rate	450 m ³ /h
Power Voltage	220V
Fan Power	4.0 kW
Electric Heating Power	6.5 kW
Compressed Air Pressure	0.4-0.7 MPa
Compressed Air Consumption	0.3 m ³ /min
Heating Temperature	Room temp-110°C (PID control)
Material Recovery Rate	≥99%
Moisture Content After Drying	≤5%
Dimensions	1200×1120×1930 mm
Total Machine Weight	≈600 kg



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