



## Granulator Machine

Granulators break down lumps and solidified powders, making the material easier to handle and process. They improve the next production steps, like tablet pressing or capsule filling. Granulation machines work well for both small and large-scale businesses.

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# Roller Compactor Dry Granulator CZK Series



The CZK series is a high-performance industrial dry granulation machine designed for efficient, dust-free dry powder granulation in the pharmaceutical, nutraceutical, food, chemical, and cosmetic industries. This series is designed to meet the needs of medium to large-scale commercial production, providing stable, high-quality granules and complying with GMP/cGMP and FDA standards. It is an ideal solution for manufacturers seeking to transform powders into free-flowing, stable granules without the use of binders or liquids.

At the heart of the CZK series is its advanced dry granulation mechanism, typically employing a precision roller compaction system, equipped with a granulation chamber and screening unit. Constructed from food-grade 304/316L stainless steel, the CZK series features smooth, corrosion-resistant surfaces and modular components for easy cleaning, disassembly, and maintenance, minimizing the risk of cross-contamination and ensuring compliance with stringent hygiene standards. With durable construction, high throughput, and minimal maintenance requirements, the CZK Series balances efficiency, reliability, and regulatory compliance. Whether for large-scale commercial production or specialized manufacturing workflows, the CZK Series delivers consistent, high-quality granulation results that meet strict industry standards, empowering manufacturers to optimize productivity and product performance.

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

# Wet Mixing Granulator CHL Series

The CHL Series is a premium lineup of industrial wet granulators engineered for efficient, uniform granulation of pharmaceutical, nutraceutical, food, chemical, and cosmetic formulations. Designed to meet the demands of medium-to-large-scale commercial production, the series delivers high-quality, free-flowing granules through a reliable wet granulation process—ideal for manufacturers seeking to enhance material flowability, stability, and compressibility for downstream processes like tableting or encapsulation, while adhering to GMP/cGMP and FDA standards.



At the core of the CHL Series is its advanced high-shear mixing and granulation mechanism. The design integrates a rotating impeller for intense mixing of dry powders with liquid binders, creating homogeneous wet masses that are then processed into uniform granules via a secondary chopper. Constructed with food-grade 304/316L stainless steel, the CHL Series features

smooth, corrosion-resistant surfaces, modular components, and a sealed granulation chamber—facilitating easy cleaning, disassembly, and maintenance while minimizing cross-contamination risks. Versatile by design, the CHL Series excels in granulating pharmaceutical APIs, vitamin blends, food additives, chemical powders, and cosmetic formulations. The resulting granules offer improved flowability, reduced dust generation, and enhanced stability, optimizing downstream processing efficiency and product quality.

Model	CHL-50W	CHL-100W	CHL-200W	CHL-250W	CHL-300W
<b>Working Volume</b>	15-35 L	30-70 L	60-140 L	80-175 L	90-210 L
<b>Total Volume</b>	50 L	100 L	200 L	250	300 L
<b>Granulation Time</b>	7-10 m/batch				
<b>Mixing Power</b>	4/4.5 kW	6.5/8 kW	9/11 kW	11/15 kW	13/16 kW
<b>Cutting Rate</b>	1.3/1.8 kW	2.4/3 kW		4.5/5.5 kW	
<b>Mixing Speed</b>	200/400 r/min	240/360 r/min	180/270 r/min		180/270 r/min
<b>Cutting Speed</b>			1500-3000 r/min		
<b>Weight</b>	450 kg	900 kg	1300 kg	1350 kg	1800 kg



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