

SPEC SHEET

Roller Compactor

GZL-200H Series

INTRODUCTION

Dry granulation is widely used in the pharmaceutical, food, and chemical industries. It is particularly suitable for materials that are moisture-sensitive, hygroscopic, or heat-sensitive.

The resulting granules can be used to increase bulk density, improve flowability, and support downstream processes such as tablet compression, capsule filling, and sachet packaging.

Owing to these advantages, dry granulation has been widely adopted across

KEYWORDS Powder Compaction | Pilot Scale Roller Compactor | Continuous Granulation
| Dry Granulation



ATTRIBUTES

- The machine adopts a vertical and horizontal two-stage screw feeding system, with a horizontal twin-screw feeder. The unique cantilever design improves material adaptability, as well as granulation success rate and yield.
- It is equipped with a touchscreen interface and multiple automatic control technologies, enhancing operational flexibility and safety.
- The drive section is separated from the working area, enabling a clean and enclosed process from powder to granules. This effectively prevents dust generation and cross-contamination. All product contact parts are easy to disassemble and clean.
- The machine is constructed from high-quality stainless steel, with all product contact parts made of 316 stainless steel. It fully complies with GMP requirements for pharmaceutical production.
- The rollers are water-cooled, with an integrated internal inlet and outlet design to ensure that the material does not heat up during the compaction process, preserving its properties. A negative-pressure water chiller is adopted.
- The rollers are made of special stainless steel and treated with a dedicated process, providing high surface hardness and excellent wear resistance.

TECHNICAL PARAMETERS

Model	GZL-200H
Production capacity	120~400kg/h
Partical size	8~800
Pressing roller size	Φ200 x75mm
Maximum system pressure	25MPa
Maximum roller pressure	18t
Input power	17.05kW
Dimensions (L x W x H)	1305 x 1450 x 1796mm
Weight	2300kg

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