

SPEC SHEET

Roller Compactor

GZL-150H MODEL

INTRODUCTION

The GZL-150H Roller Compactor is a high-efficiency solution designed for industrial-scale dry granulation across the pharmaceutical, nutraceutical, and specialty chemical sectors. This model is specifically engineered to handle the industry's most challenging materials, including moisture-sensitive, heat-sensitive, and highly active compounds.

By optimizing material flowability and compressibility, the GZL-150H delivers exceptionally consistent granules. Whether your final stage is high-speed tablet compression or precision capsule filling, this system ensures a uniform density that stabilizes your production pipeline and minimizes batch rejection.

KEYWORDS [Roller compactor](#) | [GMP Granulation Equipment](#) | [Compaction and Milling](#)
| [Medium Capacity Granulator](#)



ATTRIBUTES

- Advanced Two-Stage Feeding & Yield Optimization:** Featuring a sophisticated vertical and horizontal two-stage screw feeding system, the GZL-150H ensures consistent material delivery to the rollers. Its unique cantilever design significantly improves material adaptability, resulting in a higher granulation success rate and industry-leading yields.
- Total Contamination Control:** Safety and purity are paramount. The GZL-150H is built from premium stainless steel with a critical structural isolation: the drive section is completely separated from the working area. This creates a fully enclosed “powder-to-granule” process that eliminates dust escape and prevents cross-contamination, protecting both your operators and your product.
- Integrated Thermal Protection:** To preserve the integrity of heat-sensitive APIs, the GZL-150H utilizes an internal water-cooling system for the rollers. The inlet and outlet feature a specialized integrated design, ensuring that material remains at a stable temperature throughout the compaction cycle to prevent thermal degradation.
- GMP-Compliant & Operator-Centric:** Fully compliant with global GMP standards, the machine is equipped with an intuitive touchscreen interface and advanced automation technologies. This enhances operational flexibility while ensuring repeatable accuracy. For rapid batch changeovers, all product contact parts are designed for quick disassembly and streamlined cleaning.

TECHNICAL PARAMETERS

Model	GZL-150H
Production capacity	50g~200kg/h
Partical size	8~80
Pressing roller size	Φ160 x 54mm
Maximum system pressure	25MPa
Maximum roller pressure	10t
Input power	7.95kW
Dimensions (L x W x H)	1150x 1330x 1750mm
Weight	1500kg

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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