

SPEC SHEET

Roller Compactor

GYC-80 MODEL

INTRODUCTION

The GYC-80 Roller Compactor is engineered specifically for the rigorous demands of pharmaceutical research and small-scale manufacturing. Designed to bridge the gap between initial formulation and full-scale production, it allows research institutes and specialty manufacturers to develop new dosage forms with unmatched precision.

With a minimum feeding requirement of just 20g, the GYC-80 is the ideal solution for high-value APIs where material conservation is critical. Fully GMP-compliant, this versatile unit delivers consistent results across the pharmaceutical, and nutraceutical industries.

KEYWORDS [Dry Granulator](#) | [Granule Formation](#) | [Uniform Granules](#) | [Lab Scale](#)



ATTRIBUTES

- Intuitive Process Control:** Equipped with a PLC-driven touch screen interface, the GYC-80 offers full frequency conversion. Operators can adjust system speeds in real-time, ensuring that technical parameters are always intuitive, traceable, and easy to record for regulatory compliance.
- Advanced Metallurgy & Hygiene:** All material contact parts and the internal frame are forged from high-quality stainless steel. To ensure longevity and batch purity, the pressure rollers undergo a specialized surface treatment, providing superior wear resistance and protection against corrosive formulations.
- Thermal Stability:** To protect heat-sensitive compounds from degradation or “sticking,” the GYC-80 features integrated water-cooling for the roller surfaces. This ensures the integrity of your active ingredients throughout the extrusion process.
- Optimized for Throughput:** The compact, space-saving design is built for the modern lab. Its streamlined architecture allows for rapid disassembly and easy cleaning, significantly reducing downtime between product changeovers.

TECHNICAL PARAMETERS

Model	GYC-80
Production capacity	20g~15kg/h
Partical size	8~80
Pressing roller size	Φ80 x 25mm
Maximum system pressure	20MPa
Maximum roller pressure	2.5t
Input power	1.6kW
Dimensions (L x W x H)	730x910x 1590mm
Weight	350kg

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