

SPEC SHEET

Multifunctional Top Drive Rapid Mixer Granulator (Single Pot)

THG Series

INTRODUCTION

Highly Active Pharmaceutical Ingredients (HPAPI): Safely processing compounds that require strict containment and contamination control.

Heat-Sensitive Materials: Utilizing low-temperature vacuum drying to preserve product integrity.

Advanced Granulation Processes: Fully capable of handling thermal melt granulation, effervescent tablet granulation, and complex crystallization processes.

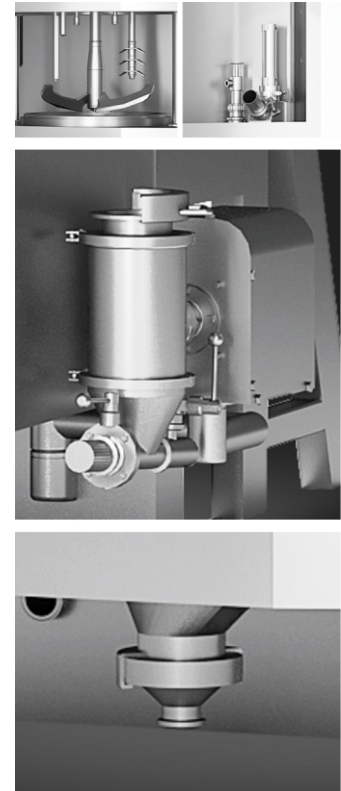
Organic Solvent Processing: Perfectly suited for applications requiring closed-system handling and efficient solvent recovery.

KEYWORDS Blending | Powder | Granules | Mixing



ATTRIBUTES

- **Top-Driven Design:** The transmission and sealing are located at the upper part of the equipment. This design ensures that the shaft seal does not directly contact the product, effectively preventing solvent/material penetration and eliminating “black spot” issues.
- **Integrated Multi-Process:** Combines mixing, granulating, drying, and cone milling (wet/dry) into one unit.
- **High-Containment & Safety:** Reaches containment levels up to OEB5, making it suitable for highly active and toxic material production.
- Offers explosion-proof designs for organic solvents/dust, with an option for 12-bar explosion containment.
- **Efficient Drying:** Utilizes vacuum + jacket heating + low-speed mixing + compressed air (nitrogen) purging to significantly improve drying efficiency and shorten processing time.



TECHNICAL PARAMETERS

Specification	Details
Effective volume	75 L - 1100 L
Total power	8.5 kW - 55.0 kW
Production Capacity	15 kg - 440 kg
Mixing Impeller Rotation Speed	4 - 180 RPM
Compressed air consumption	0.4 - 1.8 m ³ /min
Compressed air pressure	0.6 - 0.8 MPa

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