

SPEC SHEET

Lab Rapid Mixer Granulator

SHLS Series

INTRODUCTION

Suitable for R&D laboratories and pilot-scale studies in the pharmaceutical and chemical sectors.

Functions as a critical tool for process validation, allowing manufacturers to capture and replicate exact mixing parameters essential for the successful transition from laboratory scale to industrial production.

KEYWORDS Blending | Powder | Granules | Mixing



ATTRIBUTES

- **R&D Focused:** Specifically designed for small-batch granulation processes in R&D environments. Impeller-to-pot ratio is optimized to correlate directly with industrial SHLG/SHL machines, ensuring predictable scale-up parameters.
- **High Flexibility:** Includes interchangeable granulating pots to accommodate different capacities.
- **Space-Saving:** Compact structure designed to save laboratory space.
- **Comprehensive Monitoring:** Provides granular data logging for mixing time, power draw, and torque, establishing the “Gold Standard” for production methods.



TECHNICAL PARAMETERS

Specification	Details
Effective volume	1 L - 50 L
Total power	1.85 kW - 6.2 kW
Granulating chopper rotation speed	300 - 2800 RPM
Compressed air consumption	0.1 - 0.3 m ³ /min
Compressed air pressure	0.6 - 0.8 MPa

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