

## SPEC SHEET

# Rapid Mixture Granulator

LMG Series

## INTRODUCTION

The LMG Series Rapid Mixture Granulator is widely used in pharmaceutical, food, chemical and light industries, etc. to blend powdery materials and granulate. The blending and granulating procedures are completed in the same vessel of the machine. Powdery materials in the stationary conic vessel remain in a semi-flowing and rolling state, owing to the agitation by a blending paddle and are fully mixed.

After pouring in adhesives, the powdery materials gradually change into fine, damp granules that turn moist and their shapes begin to paddle the inside wall of the vessel, powdery materials turn into loose, soft materials. Through the action of the granule shaping paddle, the soft materials gradually change into fine, damp granules of the same size.

**KEYWORDS** Granulator | Powder | Blending | Mixing



**LMG-10**



**LMG-400**

## **ATTRIBUTES**

- Ensures the production of granules with consistent size and density, leading to uniformity in the final product characteristics such as dissolution rate, flow properties, and content uniformity.
- Equipped with advanced process control systems that enable real-time monitoring and control of process parameters such as mixing speed, granulating liquid flow rate, and temperature, to ensure optimal process performance and reproducibility.
- A versatile machine capable of handling a wide range of materials and formulations, including pharmaceuticals, food ingredients, and chemical powders. It can accommodate different batch sizes and process requirements.
- Designed to meet stringent hygiene standards, with smooth surfaces, easily removable parts, and cGMP-compliant construction materials.

## TECHNICAL PARAMETERS

Model	LMG-10	LMG-200	LMG-300	LMG-400
Total capacity	10dm <sup>3</sup>	200dm <sup>3</sup>	300dm <sup>3</sup>	400dm <sup>3</sup>
Working capacity	2-6dm <sup>3</sup>	50-150dm <sup>3</sup>	75-200dm <sup>3</sup>	100-280dm <sup>3</sup>
Material Feeding Capacity	1-3kg	10-60kg	50-120kg	50-140kg
Stirring paddle rotary speed	30-500rpm	30-260rpm	30-220rpm	20-200rpm
Cutting knife rotary speed	50-3000rpm	50-3000rpm	50-3000rpm	50-3000rpm
Height	1350mm	2100mm	2220mm	2320mm
Width	700mm	1800mm	2080mm	2050mm
Weight	26kg	1200kg	1600kg	1650kg

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