

Laboratory High Shear Granulator Model SPG-2

The LCI High Shear Granulator Model SPG-2 is a benchtop device that allows researchers and new product developers to intimately and efficiently mix small batches of powders and liquids to produce homogeneous mixtures. The SPG-2 is designed for accurate mixing and fine granulation.

Operation

Dry powder is charged to the granulation chamber; the granulating liquid is atomized directly into the mechanically fluidized powder stream. The patented 3-blade design ensures minimal heat build-up, maximum agitation, and fluidization efficiency. The top blade deagglomerates large lumps and conveys the material toward the bottom of the vessel to the high-speed chopper.

Powder and liquid combine to quickly produce a homogeneous mixture. The minimal residual material in the unit can be quickly flushed with a cleaning solution.

Features

- 1.5 liter working capacity
- GMP design with 304SS contact parts
- Easy and quick disassembly
- Integrated touch screen control panel
- Benchtop device ideal for laboratory environment
- Variable speed drive:
 - Chopper: 0 – 4500 rpm
 - Mixer: 0 – 1800 rpm
- 0.3 hp 230VAC/3/60 motor to drive chopper
- 1.0 hp 230VAC/3/60 motor to drive mixing blade
- Depth/width/height (mm): 290/500/400



The SPG-2 has an integrated touch screen panel.



The SPG-2 can be easily disassembled for cleaning and validation

