



LG series dry granulator



Product Details

Working principle:

The prepared, with some of the powder into the hopper of crystal water, pushed to the upper portion of the wheel through two feed screw conveying and compression (powder density doubled), then pressed face powder in five Under the conditions, with the rotation of the roller extrusion, powder sent to the space between two squeeze rollers were strong extruded into rigid strip, rigid strip after crushing granulated into granulated system ideal particles. The whole process is automatic.

The main purpose:

For the pharmaceutical, chemical, food and other industries, the use of raw material itself crystal water directly dry extruded granules occasions.

Main feature:

1. Squeeze the heat generated by cryocooler cooling.
2. Squeeze the roller surface with a special design and processing, to prevent the powder bonding. Side seal structure and the reasonable scraper plate structure, can more effectively address the roller side powder phenomenon.

3. Squeeze the broken system the first use of whole grain crushing system plus two pairs of roller granulation mechanism, so that the feed and discharge coordination, and get the desired particles. Enclosed in a stainless steel casing in the system, so that no dust operating room.
4. not equidistant screw shaped according to the needs of different materials, the preparation of nylon screw or stainless steel screws.
5. Spindle bearing lubrication, instead of the usual grease lubrication, making the machine at a free disassembly of the case lubrication.
6. Reasonable hood structure makes disassembly fast and convenient, easy to clean the inside of the body, in line with GMP validation requirements.

The main technical parameters: LG series dry granulator:

Model / parameter	LG25	LG50	LG100
Platen size (mm)	Φ80*25	Φ150*50	Φ200*100
Production capacity (kg/h)	1~5	10~40	30~100
Pressure roller speed (rpm)	0~18	0~33	0~33
Screw speed (rpm)	0~61	0~76	0~64
Granulation speed (rpm)	0~600	0~377	0~268
Finished size (mm)	0.3-1.5	0.3-1.5	0.3-1.5
Platen pressure (MPa)	0-7	0-7	0-7
Total power (KW)	2.63	5.62	11.15
Dimensions (mm)	750*650*1350	1020*800*700	1500*1050*2050
Weight (kg)	200>	1000	2500