

GMP Basket Granulator™ Model BR-300G

LCI's BR-300G Basket Granulator is a GMP small scale production extruder that converts wetted powders into pellets of controlled size and shape.

Features

- 100 - 200 kg/hr wet extrusion rate
- Screen sizes capable of producing 0.6 to 1.2 mm diameter extrudates
- GMP design with 304 stainless steel product contact parts in 400# finish
- Easy disassembly for cleaning
- Adjustable discharge chute location
- Variable rotation speed: pressure blade (0 – 51 rpm) and extrusion blade (0 – 44 rpm)
- Extrusion blade driven by 5.5 hp inverter duty motor (available in 230VAC or 460VAC/3 Phase/60 Hz)
- Rotating product discharge table and pressure blade driven by 1 hp motor (available in 230VAC or 460VAC/3 Phase/60 Hz)
- Feed hopper with safety grid
- Air purge for shaft seals to prevent product contamination
- Cabinet style for roll-around mobility
- Integrated control panel

Operation

The wet mix, which is typically prepared in a high shear granulator, is metered into the feed hopper by a feeder. The material is wiped through perforated screens by extrusion blades to produce well-formed cylindrical extrudates of a controlled diameter. Extrudates then fall onto a rotating table for discharge to the next processing step.

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Top: The BR-300G comes with a mounted controller. Center left: Material is wiped through perforated screens by extrusion blades. Bottom left: Extrusion blade assembly. Above: Basket.

Basket Granulator Model BR-300G Dimensions (shown in mm)

