

Laboratory Basket Granulator™ Model BR-150

TECHNICAL
BULLETIN

The lowest pressure benchtop extruder now available from LCI

LCI's benchtop Basket Granulator allows researchers and new product developers to easily evaluate the effectiveness of low pressure basket extrusion. The BR-150's size and unique features allow it to evaluate small batch sizes, while generating product indicative of a full scale production system.

Features

- Gravity fed device with pressure blade and two extrusion blades
- Lowest pressure extruder available
- 150 mm diameter basket screens
- Capable of extruding granules from 0.6 mm to 1.2 mm in diameter
- GMP design with 316SS contact parts
- 0.5 hp 230VAC/3/60 variable speed drive for extrusion blades
- 0.2 hp 230VAC/3/60 motor to drive pressure blade
- Separate stainless steel control panel with motor starter and inverter

Operation

The BR-150 can be easily assembled with the desired screen and prepared for extrusion. A wet mixture is separately prepared manually or in a small batch mixer, also available from LCI. The wet mixture is manually fed into the feed hopper and falls by gravity onto the pressure blade. The pressure blade is a scraper-like device that prevents bridging at the hopper discharge and directs the material into the extrusion zone. The extrusion blades gently wipe the material through the screen yielding well formed extrudates.

Dimensions

Depth/ width/ height (mm):

580 / 330 / 509.5

Weight: 50kg



The LCI laboratory Basket Granulator can be supplied with a touch screen control panel.



Product being discharged from Basket Granulator screen.

LCI Corporation is the exclusive distributor for Fuji Paudal Company, Ltd. in the Americas.