

# Basket Granulator™

## Model BR-200

LCI's BR-200 Basket Granulator is a pilot / small scale production extruder that converts wetted powders into pellets of controlled size and shape.

The Basket Granulator differs from other low pressure extruders (available from LCI) because it uses gravity feed rather than screw feed. Aided only by a rotating agitator to prevent arching, wetted powder falls directly into the extrusion area.

### Features

- 50 - 100 kg/hr extrusion rate
- Screen sizes capable of producing 0.6 to 1.2 mm diameter extrudates
- Adjustable gap between extrusion blade and screen allows optimizing extrusion force
- Uniform extrusion pressure across entire screen area
- Choice of extrusion blades to suit process
- Variable shaft rotation speed
- 3 hp inverter duty motor available in 230VAC or 460VAC/3 Phase/60 hz
- Rotating product discharge table driven by 0.25 hp motor (available in 230VAC or 460VAC/3 Phase/60 hz)
- Feed hopper with safety grid
- 200 mm approximate screen diameter
- 304SS contact parts

### Operation

The wet mixture is separately prepared, typically using a kneader or a pug mixer (available from LCI), and metered into the feed hopper. 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.



*Above: The Basket Granulator BR-200 can be supplied with a caster mounted control panel.*



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

**Basket Granulator Model BR-200 Dimensions (shown in mm)**

**Weight:** 600 kg

