

Radial Xtruder®



Model EXD-100

Cabinet Style

Pilot / Small Scale Production Extruder

TECHNICAL BULLETIN

LCI's EXD-100 Radial Extruder is a pilot / small scale production twin screw extruder that converts wetted powders into pellets of controlled size and shape.

Features

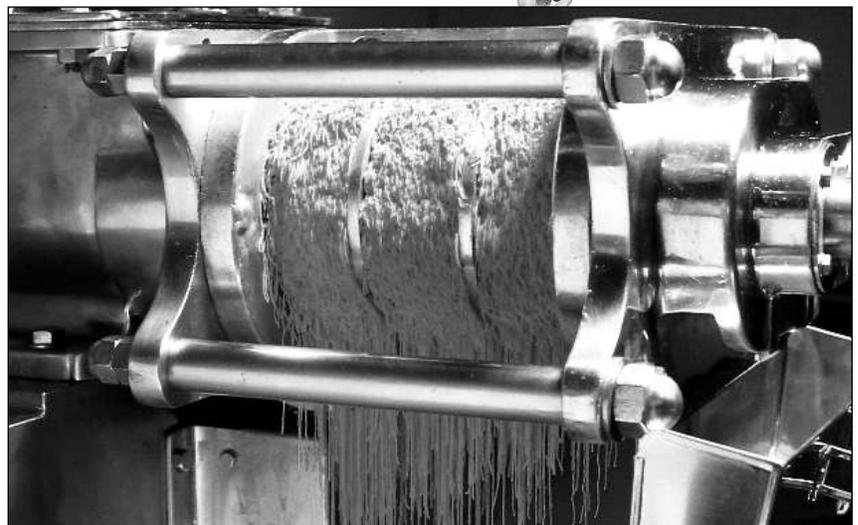
- Radial extrudate discharge
- 50 - 200 kg/hr extrusion rate
- Screen sizes capable of producing 0.5 to 2.0 mm diameter extrudates
- Screw transport ensures plug flow operation, first in first out
- Twin 60 mm diameter screws
- Choice of extrusion screws to suit process
- Variable shaft rotation speed
- 7.5 hp inverter duty motor in 460VAC/3 Phase/60hz
- Feed hopper with safety grid
- Product contact parts in 316 stainless steel
- Cabinet style for roll-around mobility
- Separate control panel

Operation

The wet mixture is separately prepared, typically using a kneader or a pug mixer (available from LCI), and metered into the feed hopper. Twin screws transport the wet material to the extrusion zone where it is wiped through perforated screens by tapered extrusion blades to produce well formed cylindrical extrudates of a controlled diameter. Extrudates break off (by their own weight) and are collected for the next processing step.

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

Integrated controls are mounted on an articulating arm.



Xtruder EXD-100 (shown in mm)

Weight: 800kg

