Twin Dome Extruder Model TDG-110G



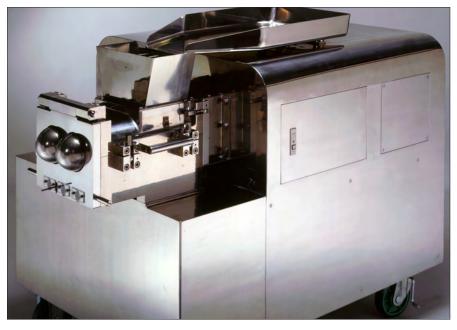
LCI's TDG-110G Twin Dome Granulator is a production scale twin screw extruder, which converts wetted powders into pellets of a controlled size and shape ideally suited for spheronization.

Features

- Low pressure extrusion with negligible heat generation
- Screw transport ensures plug flow, first in first out
- Two 110 mm diameter screws
- Easy-to-clean clamshell design extrusion chamber for easy access to process parts
- Hydraulic clamping system for ease of disassembly
- Capable of producing 200-300 kg/hr
- Dome dies capable of producing 0.6-2.0 mm diameter extrudates
- 316 SS GMP design with high polish finish
- Caster mounted
- 10 hp inverter duty motor in 460 VAC/3/60
- Integrated controls on articulating arm / integrated electrical panel

Operation

The wet mix, which is typically prepared in a high shear granulator, is metered into the feed hopper by a feeder. Twin screws transport the wet mix to the extrusion zone where it is then wiped through a dome die (screen) to produce well formed, cylindrical extrudates of a controlled diameter. The extrudates break off by their own weight and are collected for the next processing step.





The patented hemispherical shaped dies result in evenly distributed extrusion forces.



Integrated controls are mounted on an articulating arm.



Left: The extrusion chamber with clamshell design opens quickly for easy cleaning and screen changing.

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

Twin Dome Granulator TDG-110G and Control Panel Dimensions (shown in mm)

