

# Twin Dome Extruder Model TDG-80G

LCI's TDG-80G 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 80 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 100-150 kg/hr
- Dome dies capable of producing 0.6-1.2 mm diameter extrudates
- 316 SS GMP design with high polish finish
- Caster mounted
- 5 hp inverter duty motor in 460 VAC/3/60
- Integrated controls on articulating arm / integrated electrical panel

### Operation

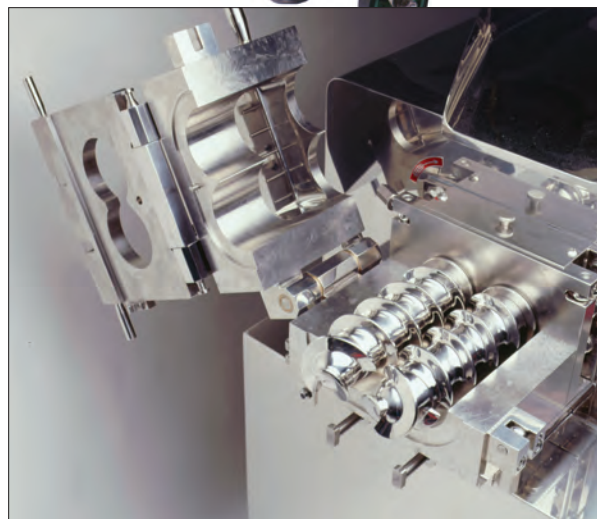
The wet mix, which is typically prepared in a high shear granulator, is metered into the feed hopper by a feeder. Twin screws transport the wet mix to the extrusion zone where it is then wiped through a dome die (screen) to produce well formed, cylindrical extrudates of a controlled diameter. The extrudates 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.*



*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-80G and Control Panel Dimensions (shown in mm)

**Weight:** 650kg

