

Twin Dome Extruder

Flat Bed Model TDG-80

LCI's TDG-80 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.

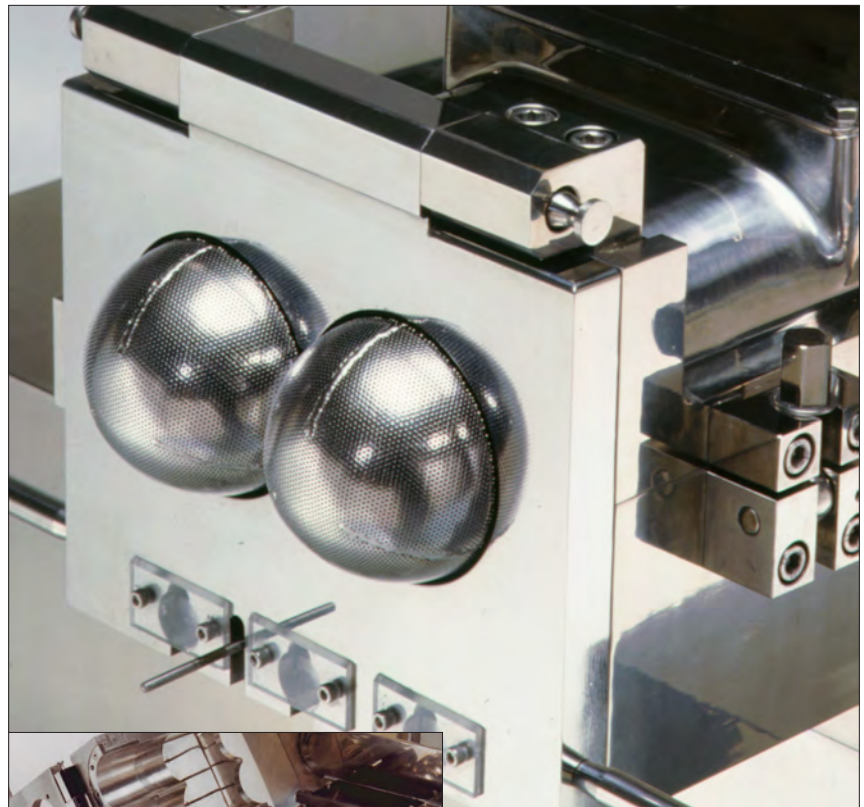
Features

- 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 0.6-2.0 mm diameter extrudates
- Stainless steel product contact parts
- Painted steel machine frame
- 5 hp inverter duty motor in 460 VAC/3/60

Operation

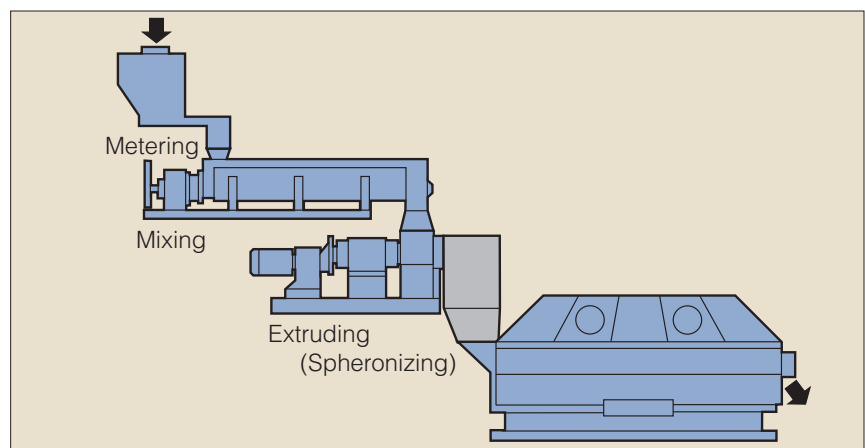
The wet mix, which is typically prepared in a kneader or a pug mixer, is metered into the feed hopper by a feeder. Twin screws transport the wet mix to the extrusion zone where it is then wiped through a dome die (screen) to produce well formed, cylindrical extrudates of a controlled diameter. The extrudates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

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



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

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



Twin Dome Granulator TDG-80 Flat Bed (shown in mm)

Weight: 600kg

