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Granulated products

GRANULATED PRODUCTS BY FLUIDIZED-BED AND TWIN-SCREW GRANULATION TECHNOLOGIES

DESCRIPTION

PLAPIQUI has the following capabilities:

- Design and testing of the production of new granular or coated products with desired properties.
- Melt or wet granulation in automatically controlled fluidized-bed and twin-screw granulators. Fluidized-bed technology at two scales: pilot (5 kg/batch) and laboratory (500 g/batch). Twin-screw granulator with maximum throughput of 1 kg/h.
- Optimization of process conditions and definition of new operating windows.
- Design of fluidized-bed granulation units.
- Theoretical modeling of granulation process based on mass, energy, momentum and population balances.
- Simulation, optimization and control studies of granulation processes.
- CFD simulation of fluidization process.