

Case Study



High volume API - pellet production

In the middle of an existing production area, a large-scale API- pellet line was installed. Diosna delivered Losan Pharma one of the key components. Important for the client was the ongoing production despite the new installations.

The Diosna High Shear Granulator P1250, is the key component besides a new extruder and an existing fluid bed.

Material transfer

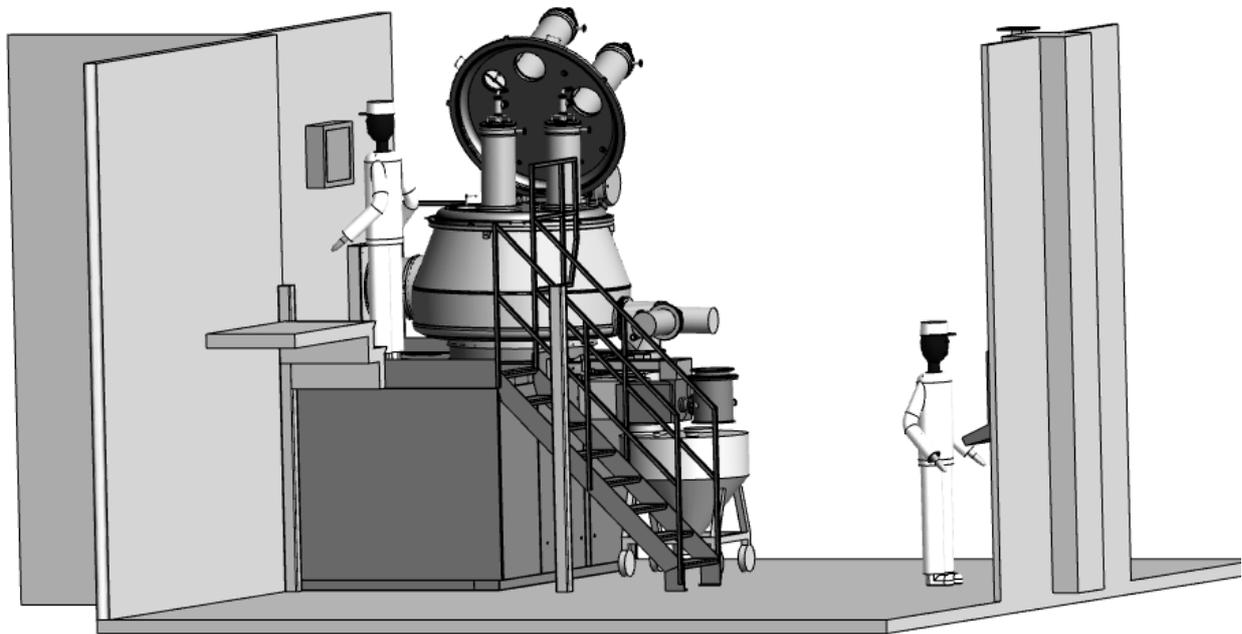
The mixer is loaded with powders via vacuum transfer. Excipients as well as the APIs are directly transferred into the mixer via a handheld lance. Binders are pumped into the mixer via a height adjustable spray nozzle. Wet granules are discharged through a cone mill into IBCs.

Special features

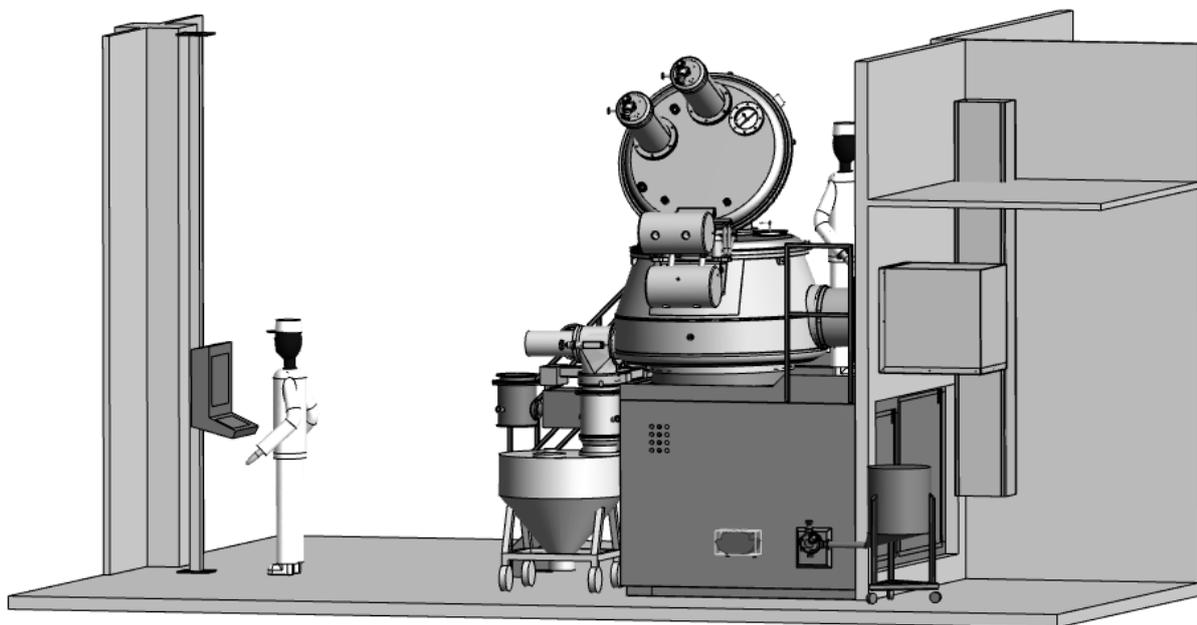
- High capacity vacuum loading system, including two filters on the lid and an extra powerful vacuum pump.
- Two built in binder pumps, for high and low viscosity binders.
- Industrial PC with two touch screens, one on the ground floor and another at platform level.
- Through the wall installation, without a technical area behind the machine (see drawings).
- Mixer delivered in parts, reassembled inside the room.

Fact Box

Customer:	Losan Pharma
Country:	Germany
Year:	2019
Delivered system and services:	High Shear Mixer Granulator, installation, training, SAT
Size:	Diosna P1250
Client's success factors:	Excellent granules Smooth installation and start up



Drawing 1: Diosna High Shear Granulator P1250 (through the wall installation)



Drawing 2: Diosna High Shear Granulator P1250 (through the wall installation)

