

Continuous Drying | Shugi Fluid Bed Dryer

In order to dry granules we use specially designed fluid bed dryers. This fluid bed dryer is part of our agglomeration system and is virtually specifically designed for the drying of freshly produced granular material from our Shugi Flexomix or Lödige CB-30. This Shugi Fluid bed dryer is a stationary dryer without moving parts. The product is dried and transported by the hot air.

Our fluid bed dryer is designed with 4 zones (3 heating zones and the last one for heating or cooling). Every compartment is provided with a separate air inlet. This set up enables us to dry with specific temperature profiles. This means that we can set the individual temperature zones specifically to the required drying

characteristics of the individual products. Next to that we can also vary the residence time of the product in the dryer. This again gives us the opportunity to set the drying process up specifically for a certain product.

In order to cool the product we would normally use ambient air in the last zone of the burner but it is also possible to use conditioned air for that. The dried and/or cooled product at the end of the dryer is discharged and moved on by means

of a special transportation belt. In principal, the granules we can process in this dryer should have a minimum size of about 200 micron. The maximum temperature available in the dryer is in a range between 300° and 400°C.

