

Continuous Coating | JR Boone/Shugi

Custom Powders has available two techniques that are suitable for the continuous coating of granules. The choice for a specific coating technique strongly depends on how effective the coating and spread of the liquid need to be, as well as the quantities that require processing, the required temperature, the amount of liquid that needs to be added and the specific characteristics of the granule (See also the batch coating of granules).



The continuous coating of granules is possible in our rotating drum coater from the company JR Boone. As the name indicates this is a drum that

rotates slowly around its own axes and wherein the product is gently tumbled around. This piece of equipment is specially designed for adding and mixing a liquid with a product with minimal shear. The blender is set up to operate on a continuous basis.

The gentle way of mixing makes this blender very suitable for the coating of granules. The granules are fed into the drum where a liquid is then sprayed in, in such a way that the liquid is effectively distributed over the granules.

The other available process route for the continuous coating of granules is in our fluid bed dryer from the company Hosokawa Shugi. This is a continuous fluid bed dryer where the granules are fluidized and transported through the bed by moving air. While moving through the machine a liquid can be sprayed onto the granules in order to provide them with a coating layer. The advantage of this process is that the granules can be coated and dried (cooled) at the same time in one piece of equipment.

