

Fluidised Bed Application

The Fluidised Bed method of powder application is an economical powder coating system.

There are two types of fluidised bed applications (1) electrostatically assisted where the powder is charged and the article to be coated travels through the cloud of charged powder and (2) the article to be coated is preheated and immersed immediately in a cloud of powder contained in an aerated container (fluidised bed).

The advantage of (1) the electrostatic method is that thin films can be achieved and the advantage of (2) the preheated method is that thicker coats are achieved without the "Faraday Cage" effect experienced during spraying.

Applications

This method is ideally suited for the coating of wire baskets, wire shelves, premade security fencing sections or heavy items such as valve fittings and automotive chassis.

These systems are often used where hundreds of small components can be jigged, preheated and dipped with almost 100% transfer efficiency, resulting in very little wastage of powder.

For more information on these systems contact the VEDOC technical department.