

Dip spin coating systems for bulk materials

Tasks

Forplan dip spin coating systems are used for applying a wide variety of coatings on loose mass-produced parts and bulk materials. These part-protecting processes in which drop height is reduced meet the highest standards and ensure efficient, flexible manufacturing as well as high throughput rates.

Principle of operation

Bulk materials are fed into the system via a lifting and tilting device with a storage bunker, and divided into goods baskets in which they are dipped in the coating material and then centrifuged at high speed. After being tipped out on a discharge belt, materials are then dried and baked in a continuously or intermittently operated flow dryer, provided with a belt or pallet conveyor.

In case of multi-layered surface structures, the entire process can be repeated with different coating materials.



Advantages

- Procedures reducing drop height and thus protecting parts
- Excellent coating quality through a variety of coating parameter variations and combinations, as well as uniform-temperature drying and baking processes
- Possibility of automated parts refeeding to unmanned multiple coating in case of multi-layered surface structures
- Customer-specific automation solutions for high throughput rates and flexible production



Examples of use

- Zinc flake anti-corrosion coatings
- Re-sealing in post-electroplating
- Lubricant coatings

Range of components

- General bulk materials
- Fasteners such as screws, nuts and rivets
- Stamped and bent parts
- Springs
- Aluminium components

