

Spray coating systems for mass-produced parts

Tasks

Foreplan innovative spray coating systems are used for applying different coatings on loose mass-produced parts and bulk materials. With regard to this, these part-protecting process sequences meet the highest standards, especially when both tiny and hard-to-coat parts, which cannot be treated in other processes, need coating.

Principle of operation

Bulk materials are poured into goods baskets and placed in a centrifuge. During the coating process, the centrifuge is placed in a swivel position and the coating material applied by means of a varnish gun. Bulk materials are rolled during the spraying process and evenly coated.

The coating material is directly fed from a pail in a pressure tank on a scale. The weight of the material to be sprayed can thus be determined over the entire spraying time.

After coating, the basket is removed from the centrifuge and the coated bulk materials are dried and baked in a chamber or continuous flow dryer.

Advantages

- Suitable for coating tiny and difficult parts
- Material quantities easily determined by means of scales and software technical specifications of process sequences
- Excellent coating quality through a variety of coating parameter variations and combinations
- Possible combination with automated dip coating systems and thus multiple coating
- Customer-specific automation solutions for high throughput rates and flexible production

Examples of use

- Zinc flake anti-corrosion coatings
- Re-sealing
- Lubricant coatings

Range of components

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

