

Dip spin coating systems for rack parts

Tasks

Forplan dip spin coating systems are used for applying a wide variety of coatings on small and mass-produced parts on carrying racks. These part-protecting processes meet the highest standards and ensure efficient, flexible manufacturing as well as high throughput rates.

Principle of operation

Carrying racks, which are usually hand loaded, are placed into the plant via a conveyor system or a rack station for production buffering; there, they are dipped into coating material and then centrifuged at variable speed.

After coating through a spin coating process, drying and baking take place in a continuously or intermittently operated chain or overhead conveyor system for continuous flow drying.

The entire process can be repeated several times with different coating materials.



Advantages

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



Examples of use

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

Range of components

- General small and mass-produced parts
- Large fasteners such as screws and nuts
- Long parts
- Stamped and bent parts
- Springs
- Aluminium components

