

Lifting and tilting devices

Tasks

With Forplan lifting and tilting devices, bulk materials can be fed from customer-specific collecting containers to production plants. After being loaded, containers are lifted via forklift trucks and tipped out into a storage bunker. Bulk parts are then tipped out of the containers as gently as possible, thereby minimising drop heights.

Functional principle

Customer-specific collecting containers with bulk parts are placed down into lifting and tilting devices via forklift trucks. The feed opening of the lifting and tilting device is monitored by a door or a light grid.

After being loaded, the container is lifted and the bulk materials are tilted as gently as possible by rotating the container by 180 degrees. To reduce drop height, Forplan lifting and tilting devices are equipped with hydraulically operated lids which open only after reaching the unloading position. Bulk parts are then conveyed into a storage bunker with optimised drop heights.

For large systems, Forplan provides customer-specific, tailored solutions with a container station for buffering full and empty stack-nest containers. Control sequences are freely programmable and parameterisable.



Advantages

- Part-protecting lifting and tipping of various material containers
- Material-protecting tipping by minimising drop heights
- Complete emptying through optimised container geometry and 180-degree tilt angle
- Targeted dosing of tipped-out quantities via hydraulically operated lids
- Customer-specific versions of container sizes, loading weights and tipping heights
- Freely programmable and parameterisable control sequences

Examples of use

- Loading of washing and pretreatment systems
- Loading of coating and re-sealing systems
- Loading of production systems
- Loading of heat treatment systems

Range of components

- Fasteners
- Screws
- Nuts
- Rivets
- Stamped and bent parts
- Bulk material in general

