

Forplan PROFI magnetic loading system, single-position

Tasks

Forplan Profi magnetic loading systems supply production plants with parts. In so doing, bulk parts are conveyed from a large container into the machine own feeding device. The feeding device can be placed behind any production plant. In each case, it provides a production line with parts.

Principle of operation

By means of sensors, Forplan Profi magnetic loading systems monitor whether a production plant is supplied with enough unfinished parts. If this is not the case, then an electromagnet is lowered down into a large container. As soon as the magnet reaches the parts, it pulls them towards itself via adjustable magnetic forces and conveys them through a chute into the machine own feeding device.

Advantages

- Fully automatic feeding of parts of a production machine
- Quickly changeable and adaptable to almost any type of machine
- Very gentle loading without drop heights
- No residual magnetism, each batch being demagnetised
- Suitable for a very large range of components
- No pouring and tipping processes

Examples of use

- Loading of sorting plants
- Loading of 100% testing plants
- Loading of thread cutting machines
- Loading of automatic assembly machines
- Loading of furnace systems
- Loading of packaging systems

Range of components

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

