

Contifeed RS

Preform roller sorter



Attuned to performance from the outset



During the preform feed, the first course is set for a smooth blowing process. For this reason, the Contifeed RS system operates according to an especially effective principle: Using the roller sorter, it gently transports the preforms well-aligned to their destination. The blow moulder benefits from this service and provides a high efficiency, even with frequent type change-overs.

At a glance

- Suitable for standard and lightweight preforms
- Available in three different reel lengths to suit the blow moulder output
- Two variants of a feed rail
- Automatic troubleshooting
- Gentle preform conveyance
- Quick and infinitely variable adjustment to every preform type
- Easy access to individual components for maintenance and cleaning tasks



The design



Method of operation

The Contifeed RS is infinitely adjustable and gently handles any preform size. A preform tipper dumps the supplied PET preforms into the preform hopper of the preform feed system. From there, an elevator conveys the preforms without pressure to the roller sorter via intermediate conveyors. There they are oriented by two rollers running in opposite directions and the feed rail transports them to the blow moulder. Any preforms which have not been sorted are automatically rejected and conveyed back to the dump chute.



Contifeed RS with manual adjustment system

Length	Output*
2.5 m	42,000 preforms/h
5.0 m	84,000 preforms/h
6.0 m	100,000 preforms/h

* Dependent on the weight and geometry of the preforms

- | | | | |
|----------|-----------------------|----------|-----------------|
| 1 | Preform hopper | 5 | Return conveyor |
| 2 | Elevator | 6 | Feed rail |
| 3 | Intermediate conveyor | 7 | Control cabinet |
| 4 | Roller sorter | 8 | Operator panel |

Two variants

No. 1: Feed rail designed on the principle of gravity

- Incl. dosing unit for a continuous, self-regulating preform flow
 - Only five adjustment points at the feed rail and the roller sorter
- **Change-over time:** 8 minutes

- 1** Feed rail designed on the principle of gravity
- 2** Roller sorter
- 3** Return conveyor



Two variants

No. 2: Air-assisted feed rail

- Optimally suited for light-weight preforms with a weight of < 10 g
- Reduces the risk of jammed preforms
- Incl. dosing unit for a continuous, self-regulating preform flow
- For machine outputs of 62,000 containers per hour and higher



1 Air-assisted feed rail

2 Roller sorter

3 Return conveyor

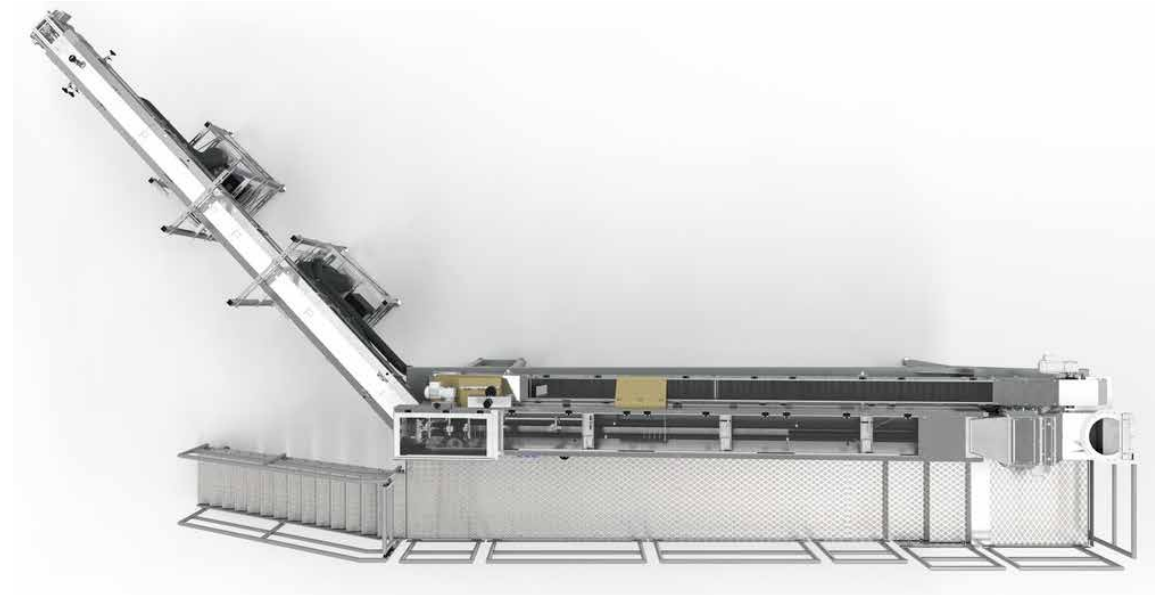


Roller sorter



Simplified handling parts change-over

For change-over to a new preform type, the handling parts assembly can be removed as a complete unit. To this aim, just two adjusting screws must be removed, the new handling parts must be fitted and the screws fastened again. Additional adjustments are not required.



Option

Contifeed in hygienic design

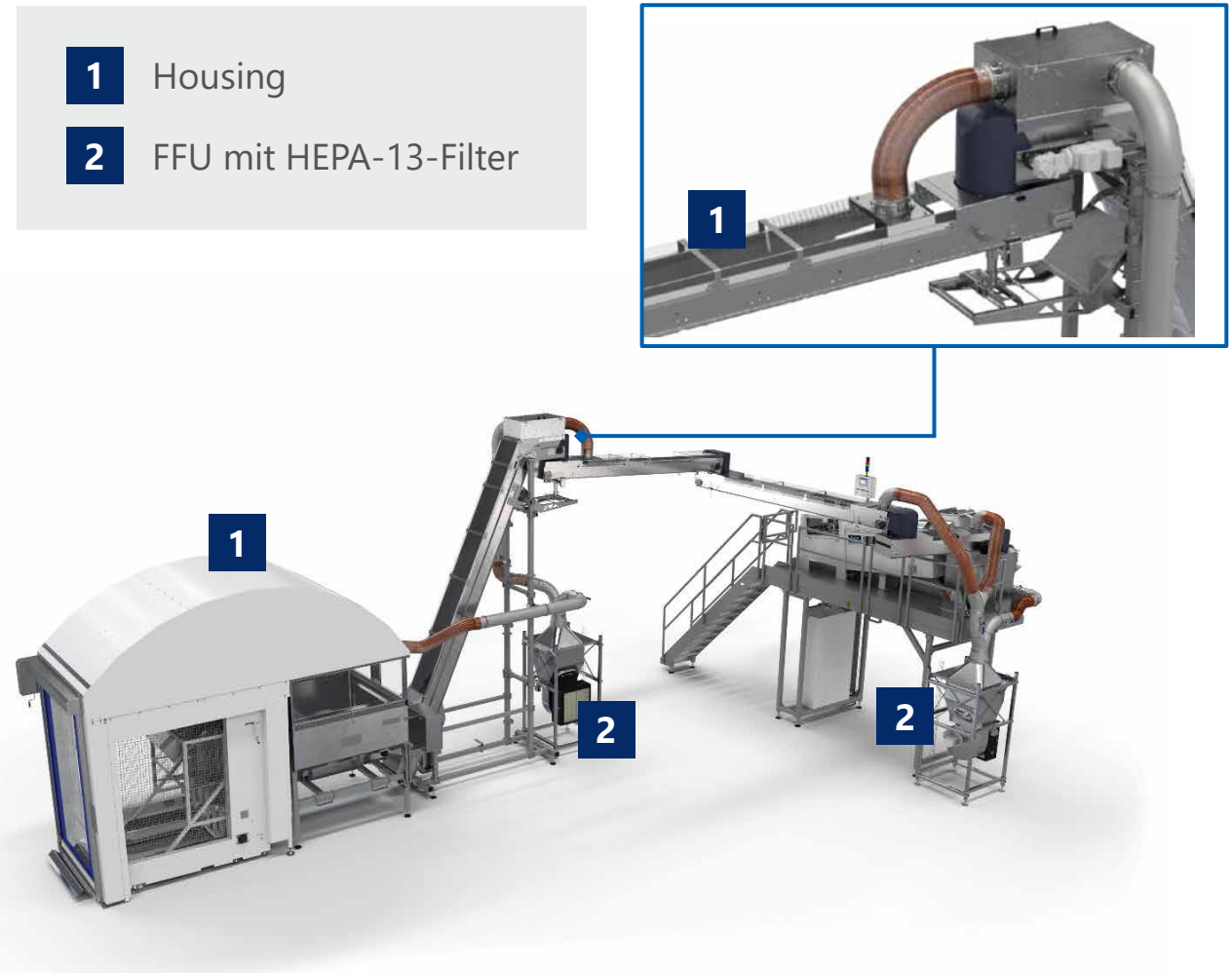


Improvements

- Completely closed preform feed system
- Fan-based air treatment system (FFU) with HEPA-13 filter
- Controlled air exchange

Benefits to you

- Significant reduction in the number of particles inside the preform feed system
- Separation of the preform feed system from the existing ambient conditions
- Ideal for aseptic lines



Option

Soft-tilting system

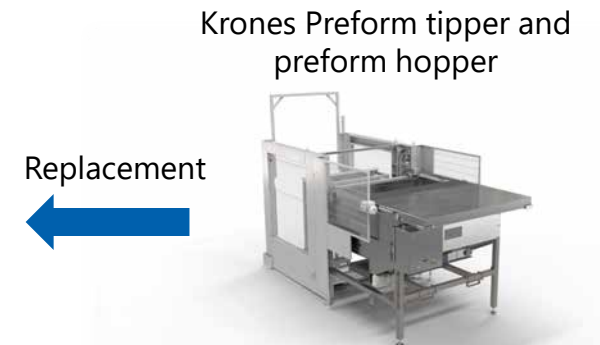
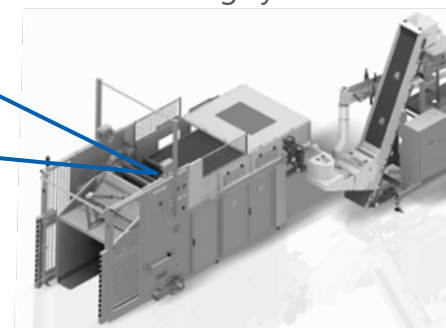
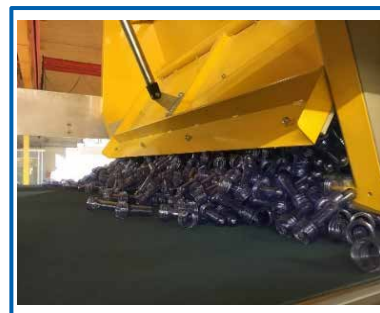
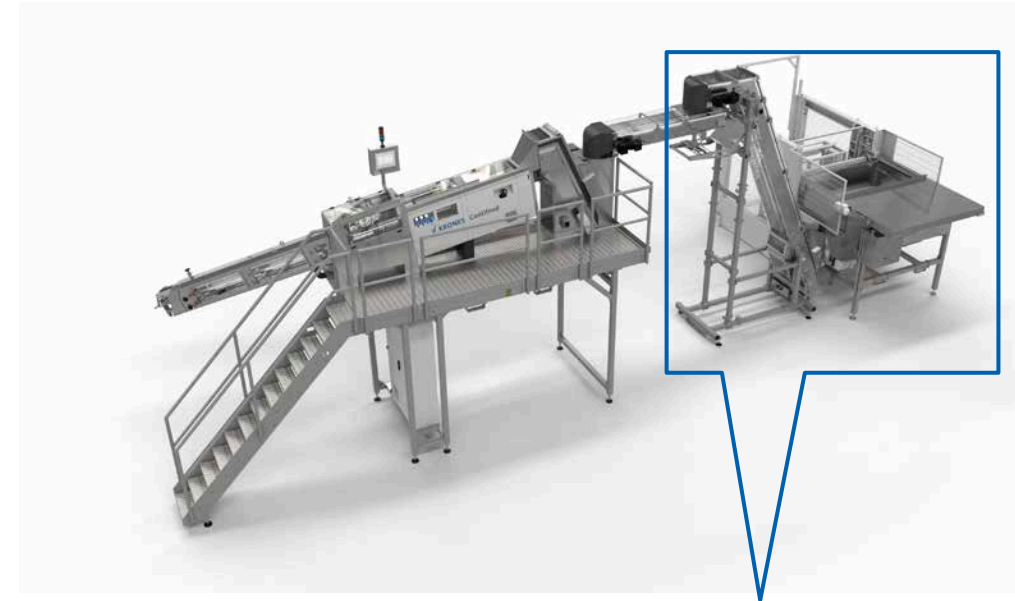


Improvements

Instead of a standard hopper including preform tipper, a soft-tilting system is used. In it, the preforms must cover a considerably lower falling distance which significantly reduces the noise level during the tipping process.

Benefits to you

- Gentle tipping of preforms onto a dosing conveyor
- Minimising of preform damage
- Considerably reduced noise level



Benefits to you



Minimised malfunctions

A continuous, self-regulating preform flow ensures smooth operation. In addition, there is no danger due to jammed preforms because the Contifeed RS detects and rejects them automatically.

Minimised downtimes

All system adjustments can be reproduced precisely. This also reduces the downtimes during neck change-over to only eight minutes.



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