



Bottle unscrambler



PackFeeder's CONCEPT

PackFeeder's team, with 30+ years experience in the packaging sector, has developed a new plastic bottle unscrambling concept. The unique features of our innovative system, which have granted it several **patents worldwide**, allows the positioning of the container in a smooth way, **exquisite care**, and also allows **cost saving**.

Its key advantages make the system the best choice when it comes to positioning and orienting plastic containers.



PackFeeder SYSTEM ADVANTAGES

Easy use: Logic mechanical designed machines, which make equipment operation easy to be used, format changeover done, incident solved and entertained by non-qualified personnel.

Tool-free and Adjustment-free Format change over: carried out by non-qualified personnel in 2-15 minutes.

Permanent container vision and accessibility.

Extreme care with container even at 400-450 bpm

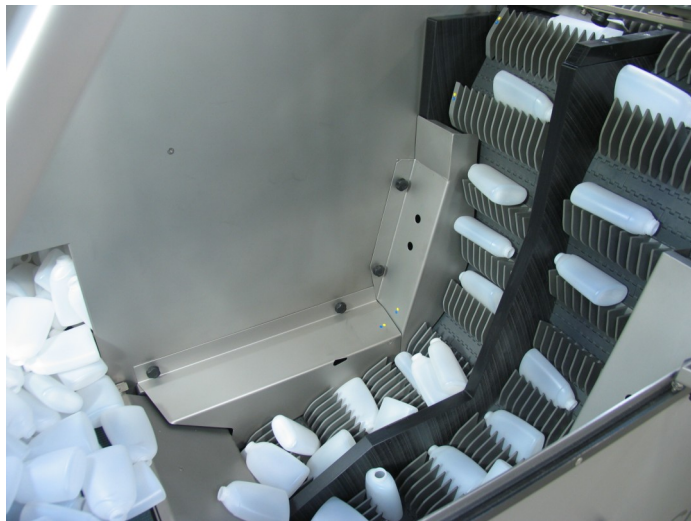
Very compact machine: plant space optimization

No compressed air: Energy saving up to 70% compared to other unscrambling systems, avoid container and product contamination, and is a key point to reduce noise (lower than 70dB)

HOW PackFeeder WORKS?

Containers are carried from the hopper to the elevator, which makes a pre-selection, and transfers them to the selector. Then containers are vertically positioned in the right way by center of gravity and / or bottle shape.

Elevator



Positioning by center of gravity



Positioning by the neck

PackFeeder's APPLICATION FIELD

PackFeeder's unscramblers can feed plastic bottles from $\varnothing 20 \times H 45 \text{mm}$ to 325mm height, even with mouth diameter equal to container diameter and jars ($H < \varnothing$).



PackFeeder's SOLUTIONS

PackFeeder unscrambling machines may give an answer to your requirements to feed the containers into pucks, or orienting asymmetric bottles.

Unscrambling into pucks



Bottle orientation:

- by the neck (belts)
- by a clamp
- by the base



PackFeeder's CUSTOMERS

Due to its unique features like easy of use, cost savings of the operation, equipment size, or exquisite care of the container, PackFeeder unscramblers are the best choice for the following industries:

- Pharmaceutical
- Nutraceutical
- Cosmetics
- Personal Care
- Food



PackFeeder

THE IN LINE SYSTEM FOR BOTTLES UNSCRAMBLING



L'ORÉAL®



BIOMEDICS®



BIODERMA
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... they trust in PackFeeder