

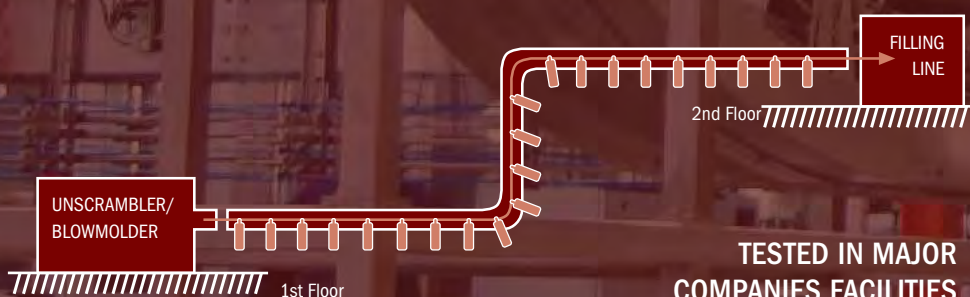
POSIMAT 
EMPTY BOTTLE HANDLING SYSTEMS

vertijet®

VERTICAL AIR CONVEYOR SYSTEMS

THE ONLY
AIR CONVEYOR
CAPABLE
OF GOING UP
90° IN
ACCUMULATION

U.S. PAT. N° 6033156



Built on the same concept as the Posijet® Air Conveyor technology, the new Posimat VERTIJET has been developed to provide the market with an efficient and practical solution to Vertical Elevation and Loweration of empty PET bottles, handling inclinations anywhere from 15 to 90°.

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THE NEW VERTIJET, WITH ITS DOUBLE AIR CHAMBER, CAN EASILY BE INTEGRATED INTO OUR OWN POSIJET® AND OTHER AIR CONVEYOR MANUFACTURERS. IT CAN ALSO BE USED AS A STAND ALONE EQUIPMENT PARTICULARLY FOR FEEDING BOTTLES INTO SILOS SUCH AS, POSIMAT'S POSISILO®. SUPPLIED BOTH IN STANDARD AND CUSTOM DESIGNED UNITS, VERTIJET EASILY ADAPTS TO CUSTOMER REQUIREMENTS AND SPECIFICATIONS. IT INCORPORATES INNOVATIVE TWO SIDE BLOWING CHAMBERS TO KEEP THE BOTTLES PERPENDICULAR TO BOTTLE FLOW AT ALL TIMES. THIS IS ACHIEVED BY THE USE OF INDIVIDUAL BOTTLE FORMAT PLC PROGRAMS WHICH GUARANTEE BOTTLE-TO-BOTTLE CONTROL AT ALL TIMES.

VERTIJET IS CAPABLE OF RUNNING SINGLE OR MULTI-SIZE BOTTLES

RANGING FROM 100ML. TO 2.5L. THIS RANGE IS HANDLED BY OUR UNIQUE AUTOMATIC AIRFLOW CONTROL SYSTEM AND AUTOMATIC BOTTLE BODY GUIDES.



THE ONLY AIR CONVEYOR CAPABLE OF GOING UP 90° IN ACCUMULATION

VERTIJET'S COMPACT SYSTEM

VERTIJET will operate at any incline / decline angle of up to 90°, at speeds of more than 1.000 bottles /min. This means no reductions in line speeds maintaining high efficiencies. Because VERTIJET was conceived as a compact system, it only occupies minimal footprint for it to operate, translating into increased valuable factory floor and easy access to all other equipment in the plant.



View of a POSIJET air conveyor working at 1.200 BPM.

POSIJET'S FOUR BASIC FEATURES:

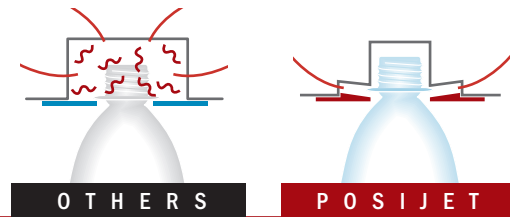
DOUBLE GUIDE

The double guide profile encapsulates the bottle above and below the neck ring preventing the marking of the bottle shoulders and reducing potential air pocket turbulence, creating more bottle stability at very high line speeds.



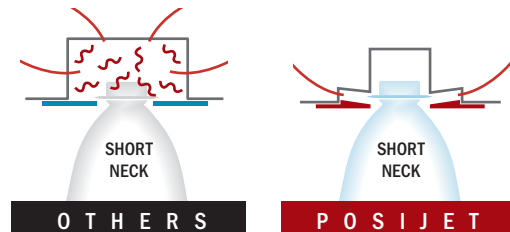
PRECISELY DIRECTED AIRFLOW

The unique bi-directional louvre pattern concentrates up to 85% of the air around the neck ring and the body of the bottle. This precisely directed airflow reduces levels of contamination, increases bottle velocity, reduces bottle jams and maintains the bottle in a more vertical position at speeds higher than 1200 bpm.



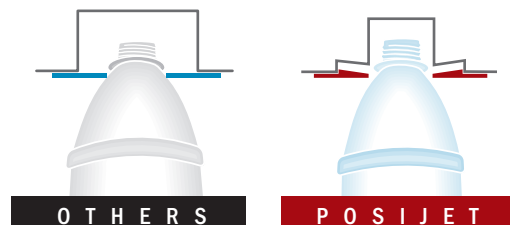
SUITABLE TO WORK WITH SHORT NECK BOTTLES

The new trend on PET bottles due to cost saving. With Posijet, the airflow is precisely directed and reaches the desired points of the bottle, even with short neck bottles. This is not possible with other air conveyors where the air flow does not concentrate at all, becoming therefore absolutely inefficient.



REDUCES THE FRICTION

With the reverse angle design of the neck guides, they are only in point contact with the neck ring of the bottle. The airflow allows a cushion of air to be created between the guides and the neck ring which greatly reduces the friction, resulting in lower operating air pressures and reduced fan operating power consumption.





WORLD'S BEST SELLER IN MACHINERY AND SYSTEMS FOR HANDLING PLASTIC BOTTLES: SILOS, UNSCRABLERS, AIRVEYORS, CONVEYORS, ETC.



ENTRUST YOUR BOTTLES TO THE LEADER®



D.L. L-1324-02

VERTIJET®, FROM POSIJET®, THE AIR CONVEYOR DIVISION OF POSIMAT S.A.

POSIMAT 
EMPTY BOTTLE HANDLING SYSTEMS

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Patents: Many of the components and devices described or shown in this brochure are protected by International patents either granted or pending. At the request of any interested party we would be pleased to disclose the numbers in each Country.