



## Bottle Orienter

### NECO-ORIENTER 360

360 degree bottle orienter



Standalone  
NECO-ORIENTER 360



Integrated  
NECO-ORIENTER 360



NECO-ORIENTER 360  
with optional vacuum conveyor

*Nalbach Engineering's Inline 360 degree orienter quickly, simply and inexpensively orients bottles into a common direction.*

The NECO-ORIENTER 360 is a dual servo driven system.

Bottles are accepted from a single lane source and, based upon a Vision system's output, allowed to pass if they are properly oriented or spun as required by the servo driven system if they are not properly oriented.

The vision system "looks" at the bottles as they enter the camera section of the enclosure and determines the actual angle of the bottles relative to the desired angle.

The bottle's actual angle is sent to the dual servo system to spin the bottle the required number of degrees to achieve the desired angle of the bottle at the discharge of the system.

The NECO-ORIENTER 360 is available as a standalone product to meet the needs of many existing production lines or as a fully integrated option with Nalbach's line of plastic bottle unscramblers.

As an option for plastic bottle unscramblers, the NECO-ORIENTER 360 and the unscrambler share a common HMI, vacuum conveyor and footprint, providing a complete and compact, fully integrated, solution for empty bottle handling.

The NECO-ORIENTER 360 provides the following benefits:

- Fast. Runs speeds to 300 bpm.
- Few moving parts. Few moving parts means lower cost, lower maintenance and higher reliability.
- Servo Driven. Servo drive design reduces part count while providing speed and accuracy.
- Vision system detects the smallest details for fast, easy, and accurate system setup.
- Small and compact for easy integration. Easily fits into existing layouts without requiring a large section of dedicated conveyor.
- Fast changeovers. Simple repeatable adjustments for height and width allow quick and accurate changeover from one bottle format to another.

### About Nalbach Engineering Company

Founded in 1945, our Company has earned its dominant reputation for quality and performance in the design and manufacture of a complete line of powder filling equipment. A member of PMMI since 1958, Nalbach Engineering has developed equipment for a widely diverse client roster of Blue Chip companies and has installed systems in 45 countries around the globe.

### Nalbach Engineering Company, Inc.

621 East Plainfield Road, Countryside, IL 60525 U.S.A.

Phone: 708/579-9100 • Fax: 708/579-0122

www.nalbach.com

© 2016 Nalbach Engineering Company, Inc.



NECO-ORIENTER 360 Bulletin 31-a