



F&C

FILLING & CAPPING

## PHARMA-LINE UNSCRAMBLERS FOR PHARMACEUTICAL PLASTIC BOTTLES



### Proven, Dependable Linear Bottle Unscrambling Technology for Speeds Up To 350 bpm

With over 4,500 unscrambling and orienting systems in operation around the world, Pace is the recognized leader in dependable and versatile linear bottle unscrambling and orienting systems.

Pace Pharma-Line systems are capable of unscrambling round, rectangular, square and oval PET, HDPE, PP, PS, and PVC plastic bottles and jars for tablets, liquids and powders.

Pace Pharma-Line unscramblers feature stainless steel construction and a machine design that meets or exceeds cGMP standards.

Pharma-Line unscrambling systems run containers from 30 cc to 2500 cc. Container changeovers are toolless and require less than 10 minutes to complete.

The Pharma-Line series of unscramblers includes two models capable of top speeds from 250 to 350 bpm. This range of models assures that pharmaceutical and nutraceutical manufacturers of all sizes can choose the unscrambler ideally suited to their requirements and their budget.

Pharma-Line unscramblers are used in the pharmaceutical, nutraceutical and vitamin industries and they are recognized for their hygienic design and dependable performance.

#### FEATURES AND BENEFITS

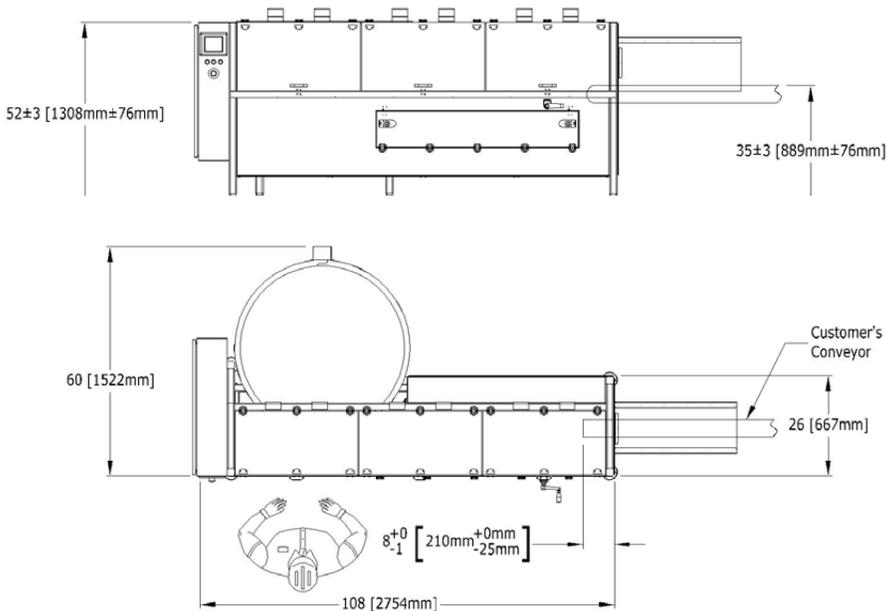
- **Hygienic design, stainless steel construction** - meets or exceeds cGMP standards
- **Versatile container compatibility** - Pharma-Line unscramblers can run a virtually unlimited variety of containers from 30 cc to 2500 cc
- **Floor level, low profile linear design** - Easy machine access for troubleshooting and inspection
- **Fast, toolless changeovers** - Bottle format changeovers can be completed in ten minutes or less
- **Flexible, efficient change parts** - Multiple similar geometry containers can run on same set of change parts reducing changeover time to zero
- **Scuff & scratch-free container handling** - Linear design virtually eliminates bottle contact with hard, abrasive surfaces that scuff and scratch plastic containers
- **Space efficient, linear footprint** - Requires less floor space than rotary systems

## TYPICAL PRODUCT SPECIFICATIONS

	PH300	PH400
<b>Speeds (Up To)</b>	250 cpm	350 cpm
<b>Container Sizes (Min-Max)</b>	30 cc - 2500 cc	
<b>Container Materials</b>	HDPE, PET, PP	
<b>Container Shapes</b>	Cylindrical, oval, square, rectangular	
<b>Controls</b>	Allen-Bradley or Siemens	
<b>Frame</b>	Stainless Steel	
<b>Power Supply</b>	208V - 240V 380V - 400V 440V - 480V	
<b>Electrical Enclosure</b>	NEMA 12 (IP 54) Standard / NEMA 4 (IP 66) Available Option	
<b>Compressed Air</b>	80 psi, CFM Negligible	
<b>Nominal Footprint Dimensions</b>	106" (2687mm) x 52" ± 3" (1308mm ± 76mm) x 26" (667mm)	108" (2754mm) x 52" ± 3" (1308mm ± 76mm) x 26" (667mm)

## CONFIGURATION

Omni-Line Pharma-Line PH400  
Contact us for the Pharma-Line PH300 footprint drawing.



## OPTIONS

- Automatic Speed Shift - Enables unscrambler to modulate bottle speed based on line conditions
- Ionized Air Rinse Station - Removes dust particles from bottles
- Camera Vision System For Down Bottle Detection & Rejection System
- Container Rejection System - Pneumatic cylinder or air blast
- Swing Arm Mounted HMI - Provides convenient access to controls from multiple locations around the machine
- Expanded Machine Enclosure - Accommodates addition of bar coding system
- Expanded Main Electrical Panel - Stainless Steel or Painted Mild Steel
- CE: Certification & Mark
- Recommended Spare Parts Kit