

ORIENTAINER®
UNSCRAMBLERS
AND ORIENTERS FOR BOTTLES AND JARS



The Proven Standard... Since 1941.

KAPS-ALL
PACKAGING SYSTEMS

KAPS-ALL CAPPER

FILLS-ALL

FEED SYSTEMS

ORIENTAINER

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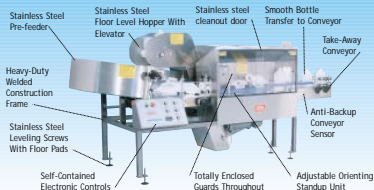
ORIENTAINER® PLASTIC BOTTLE UNSCRAMBLER

For Low, Medium and High-Speed Bottling Lines

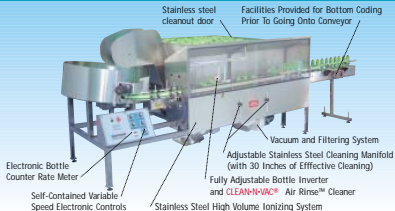
Standard Patented Features of Model AU-6 and Model AU-6C:

- Fast changeovers - from one size to another.
- Can handle most container shapes including: round, square, rectangular, oval, tapered, F-style, etc. with few to no change parts.
- Low profile design for increased safety, makes servicing and changeovers easy with no need for ladders or step stools.
- Patent pending stainless steel, low profile hopper design. Can be filled from three sides.
- No drop chutes, cages, pockets, rollers, belt splicing/cutting, cleats, funnels, clamps, vacuum conveyors or expensive tooling needed for changeovers.
- Can orient 1/16 oz. to 1 gallon containers on same machine (handles plastic, metal and composite/corrugated containers).
- Rugged construction with non-marring contact surfaces for no-suff operation.
- Few moving parts minimize maintenance and maximize machine efficiency.
- Quiet and smooth operation with orienting speeds over 300 BPM (attainable speeds depend on bottle size and shape).
- Hand wheels and calibrated settings allow for ease and repeatability of changeovers.
- TRULY COMPACT—REQUIRES MINIMAL FLOOR SPACE. (Other machines on the market claim to be compact, but the ORIENTAINER® truly is.)
- No air required for most applications except for bottle ionizing/cleaning.
- Adjustable electronic speed controls to accommodate all line speeds without extra expensive options, from several containers per minute to several hundred per minute.
- Comes standard with oversized stainless steel clean-out door on supply hopper.
- Fully automatic, easy to set up and operate -no skilled personnel required.
- Enclosed with stainless steel and polycarbonate safety guards.
- Use your existing conveyor or can be provided with a Kaps-All® conveyor to suit your requirements.
- Both left to right (standard) and right to left conveyor discharge models available.
- Comes complete with stainless steel elevating screws with floor pads.
- The ORIENTAINER® has been designed with the knowledge of over 60 years of packaging and orienting design experience.
- Prompt delivery for all models.
- Since the ORIENTAINER® places the container directly onto your conveyor, the need for additional (or special vacuum) conveyors is eliminated.
- Electronic bottle counter (totalizes the number of bottles oriented).
- The longest guarantee in the industry - 2 full years, at no extra cost.
- Can be easily integrated into a turnkey system with FILLS-ALL® Liquid Fillers and KAPS-ALL® Bottle Cappers.
- Designed for all industries including: Pharmaceutical, Personal Care Products, Foods, Biotech and Chemicals.

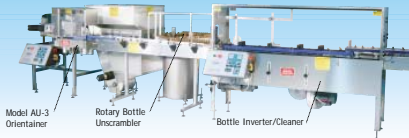
Model AU-6 Compact Unscrambler



Model AU-6C Compact Unscrambler With Cleaner/Inverter CLEAN-N-V AC®



Combination Glass/Plastic Orienting/Cleaning System Model AU-3 Micro-Mini Plastic Bottle Unscrambler, Rotary Bottle Unscrambler And CLEAN-N-V AC® Container Cleaner



Optional Features for All ORIENTAINER® Models:

- The Standard stainless steel floor level Hopper Elevators are available in several sizes to best suit your exact requirements.
- Conveyor sensor will stop and start machine to automatically match down-stream demand for containers.
- Available with casters for portability.
- Easily modified for bottle decorating, offset printing and silk-screening machines.
- Ideal for orienting open bottom tubes and other specialty items.
- Hopper and pre-feeder dust covers.
- Interlocking electrical safety switches for standard guarding.
- Secondary bottle orienting for asymmetrical bottles.
- Special designs to accommodate your requirements.
- All stainless steel construction - suitable for clean rooms.
- Combination Totalizer and Rate meter (Updates total number of bottles oriented and averages Rate of bottles per minute being oriented.)

SECONDARY BOTTLE ORIENTER For Rectangular and Asymmetrical Containers

- The Secondary Bottle Orienter is designed to follow a Bottle Unscrambler. It will accept rectangular and/or asymmetrical containers and orient (turn) them to face the same way and then continue them downstream to the filler, labeller and other operations.
- Handles a wide range of container shapes and sizes.
- Only one moving part which minimizes maintenance and downtime.
- Comes with casters for portability – easily fits into existing production lines.
- Comes standard with heavy duty-frame and variable speed conveyor.
- Smooth quiet continuous motion operation with variable speed drives.
- Calibrated settings ensure fast, easy and accurate changeovers.
- Two year guarantee—the longest in the industry.
- Handles glass, plastic or metal containers.
- Can be used alone or in combination with any ORIENTAINER® unscrambler.
- Stainless steel guard enclosures with Lexan doors on front and back enclosing orienting section down to conveyor.

COMBINATION BOTTLE UNSCRAMBLER AND SECONDARY ORIENTER For Asymmetrical Containers

THE ORIENTAINER® automatically places the container onto the conveyor. The Secondary Bottle Orienter (Model SBO) then gently turns the asymmetrical containers so they all face the same way for the next downstream operation such as filling, labelling, etc.



Typical asymmetrical containers handled by the Model SBO, Secondary Orienter

ROTARY BOTTLE UNSCRAMBLING TABLE

- 36 inch and 48 inch diameter models with stainless steel table-tops available.
- No changeover parts required.
- Stainless steel elevating screws with floor pads provided.
- Stainless steel outer guide rails adjust to accommodate vials to gallon containers.
- Variable speed motor with gear box speed reduction.
- Fully adjustable solid-state variable speed electronic controller.
- No skilled personnel required.
- Stainless steel unloading table to fit most case sizes.
- Heavy-duty rugged construction.
- Fast delivery.
- Two year guarantee — the longest in the industry.
- Ask for more detailed information.

Model SBO — Secondary Bottle Orienter



ORIENTAINER® Model AU-6 Unscrambler with Model SBO Secondary Orienter



Model FS-U Rotary Semi-Automatic Bottle Unscrambler

OPTIONS:

- Rotary Surge Tables.
- Stainless steel base.
- Swivel casters for portability.
- Orienting wheels for square, rectangular and oval containers.
- Hazardous location models available.
- Rotary Accumulating Tables for collecting finished containers at end of bottling line.



Micro-Mini Compact Bottle Unscramblers

The Smallest Fully Automatic Unscramblers In The Industry

The Models AU-3 and AU-3M have the same features and options as the Model AU-6 except that they require only 45 inches x 65 inches of floor space. They are the smallest fully automatic unscramblers in the industry. The low profile unscramblers handle a wide range of containers with little or no change parts, require no air and their maximum height is 60 inches (153 cm). Virtually all styles and shapes of plastic, metal and corrugated/composite containers can be handled in the range of 1/2 inch tall up to 6 inches tall and up to 3 inches wide. A wide range of speeds can be obtained depending upon container size and shape.

Model AU-3M



The Model AU-3M has the same features as the model AU-3 but comes with a more unified heavy-duty stainless steel base for special applications.

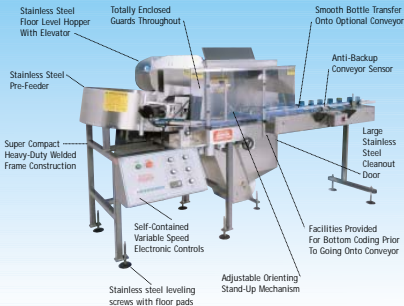
Compact Bottle Unscrambler

Model AU-5 Compact Bottle Unscrambler



The Model AU-5 has the same features as the model AU-6 except that it is designed with three distinct components (the Hopper/Elevator, Pre-feeder and Stand-up Unit). This allows the end user flexibility for special applications such as right to left travel, unique floor plans and special hopper requirements. Refer to the dimensional drawings on the back page.

Model AU-3 Micro-Mini Compact Bottle Unscrambler



Combination Bottle Unscrambler With Built-In Cleaner/Inverter

Clean-N-Vac®

Model AU-5C Bottle Unscrambler Cleaner/Inverter



In addition to the unscrambling features of the Model AU-5 and the Model AU-6, the Model AU-5C and the Model AU-6C have an integral bottle cleaner which inverts the containers, blasts them with filtered ionized air and vacuums them without the need of twist chutes or costly change parts. Additional features include:

- Patented design has few moving parts, minimizing maintenance and maximizing machine efficiency.
- Fast and repeatable changeovers.
- Expandable — up to 10 ionizing nozzles for special applications.
- Dust, dirt collector/filter, easily removable for cleaning.
- Two year guarantee — the longest in the industry.
- Extended cleaning travel distance to ensure the best cleaning possible with maximum time over the ionizing nozzles.

COMPLETE BOTTLING AND PACKAGING SYSTEMS

How The ORIENTAINER® Bottle Unscramblers Operate

Containers are randomly dumped into the low profile supply hopper where they are gently deposited into the rotary pre-feeder bowl on demand. As the pre-feeder turns, the containers are single-filled and then sent down an adjustable slide chute where they enter an exclusive "Stand Up Unit" which orients bottles to an upright position, (Models AU-6C and AU-5C automatically invert, ionize, vacuum/clean and orients the bottles to an upright position). Once upright, the containers exit onto a take-away conveyor for the next downstream operation.

THE BENEFITS OF AUTOMATIC vs MANUAL BOTTLE UNSCRAMBLERS

Kaps-All® Automatic Bottle Unscramblers effectively automate packaging production lines affording increased efficiency, savings and productivity. Savings are realized through effective use of personnel and associated costs over manual/semi-automatic unscrambler operations. Kaps-All unscramblers are designed and known for quick changeovers with little to no changeover parts (accomplished in a few minutes) and durability resulting in less downtime. All unscramblers can be upgraded with the ability to change production requirements without buying new machinery or training new personnel.

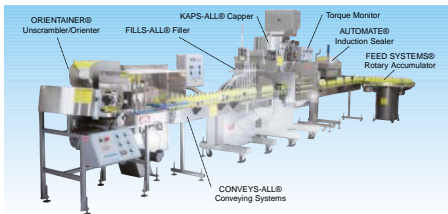
Demonstration and Testing Of Your Products— No Cost or Obligation

Contact Kaps-All Packaging Systems, Inc., for an evaluation and testing of your application in our plant without any obligation on your part.

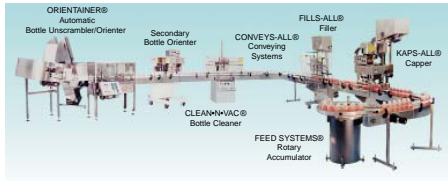
Kaps-All® . . . The single source for all your bottling and packaging needs.

Kaps-All® is a leading designer and manufacturer of quality packaging machinery and systems since 1941. Over 30 exclusive patented features provide for maximum proven performance, reliability and versatility to keep pace with the demands of your operation. There are now several thousand machines in operation worldwide. This is why Kaps-All is called "The Proven Standard®". All Kaps-All machines use state-of-the-art components to give accuracy, repeatability and ease of

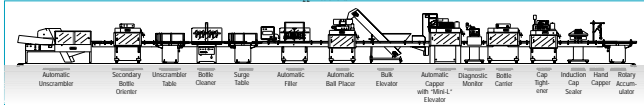
operation with little to no changeover parts. All machines operate separately or can be integrated into a complete packaging system. The versatility of Kaps-All machines allows you to keep ahead of marketing trends by upgrading and changing production lines without buying new machines or expensive changeover parts. To find out more about Kaps-All's high quality, field-tested packaging systems, call for more information or application assistance.



Typical complete turn-key bottling systems suitable for all industries, applications and operations.

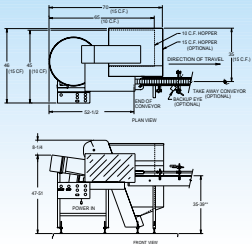


Kaps-All has served the packaging industry for over 60 years, providing quality packaging machines for the entire spectrum of bottling applications.

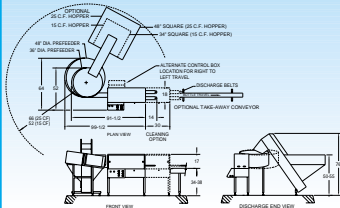


ORIENTAINER® UNSCRAMBLERS AND ORIENTERS FOR BOTTLES AND JARS

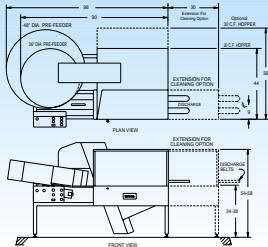
MICRO-MINI COMPACT BOTTLE UNSCRAMBLER Models AU-3 and AU-3M



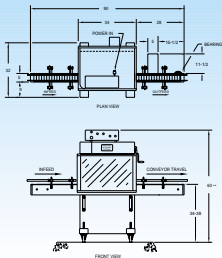
BOTTLE UNSCRAMBLER/CLEANER Models AU-5 and AU-5C



COMPACT BOTTLE UNSCRAMBLER/CLEANER Models AU-6 and AU-6C



SECONDARY BOTTLE ORIENTER Model SBO



Notes:

- 1) All dimensions shown are in inches. To convert to centimeters multiply inches by 2.54
 - 2) * Indicates height based on a 34" high conveyor and a 6" tall container.
 - 3) ** Other conveyor heights available.
 - 4) Some items shown may be optional.
 - 5) Due to Kaps-All's commitment to maintain quality leadership in the packaging industry, dimensions, specifications and options subject to change without notice.
 - 6) Electric: 110V, 1 PH, 60/50 Hz (standard) other voltages available on request.
- Air consumption: Approximately 2-4 CFM of air for AU-5C, and AU-6C with bottle cleaners only.

Represented By: