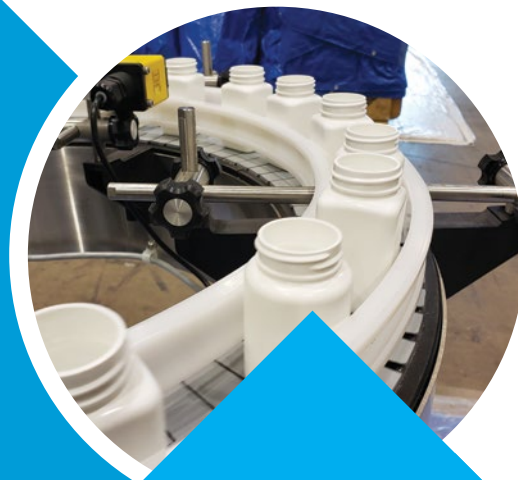


The Proven Standard®...Since 1941.

**KAPS-ALL
PACKAGING SYSTEMS^{INC.}**

KAPS-ALL CAPPER®
FEED SYSTEMS®

FILLS-ALL®
ORIENTAINER®



ORIENTAINER®

Unscramblers

and Orienters for Bottles and Jars



KAPS-ALL PACKAGING SYSTEMS, INC.

200 Mill Road, Riverhead, NY 11901 USA

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www.kapsall.com

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► HOW THE ORIENTAINER® BOTTLE UNSCRAMBLERS OPERATE

• Containers are randomly dumped into the integrated low profile supply hopper. They are gently elevated and deposited into the rotary pre-feeder bowl on demand. As the pre-feeder turns, the containers are single filed to an adjustable slide chute where they enter an exclusive “Stand Up Unit” which orients bottles to an upright position directly onto the conveyor. Models AU-6C and AU-3C automatically invert, ionize, vacuum/clean and orient the bottles prior to placing upright onto the conveyor. Once upright, the containers exit onto an optional take-away conveyor for the next downstream operation.

• For standard orientation, machine utilizes **NO** air, **NO** vibration and few, if any change parts for various sizes, shapes and materials. For pre-labeled, silk screened or scratch prone bottles, all bottles exit the first time they enter the chute. There is minimal to NO repetitive movement of your bottles.

ORIENTAINER® PLASTIC BOTTLE CLEANER / UNSCRAMBLER

For Low, Medium and High-Speed Bottling Lines

02

Unscrambler / Cleaner

► MODEL AU-6-E BOTTLE UNSCRAMBLER



► MODEL AU-6C-E COMPACT UNSCRAMBLER WITH CLEANER/INVERTER CLEAN-N-VAC®



* See common features on next page

ORIENTAINER® PLASTIC BOTTLE CLEANER / UNSCRAMBLER

For Low, Medium and High-Speed Bottling Lines

Unscrambler / Cleaner

COMBINATION ORIENTING/CLEANING SYSTEM FOR PLASTIC/CORRUGATED/METAL CONTAINERS

► MODEL AU-3C MICRO-MINI™ PLASTIC BOTTLE UNSCRAMBLER, WITH INTEGRAL CLEAN·N·VAC® CONTAINER CLEANER



Easy to use and access controls common for all Orientainer® models giving direct access to Main Control Box



► STANDARD PATENTED FEATURES OF MODEL AU-6-E, MODEL AU-6C-E, MODEL AU-4 AND MODEL AU-3C

- 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 fractional ounces to 1 gallon containers on same machine (handles plastic, metal and composite/corrugated containers).
- Rugged construction with non-marring contact surfaces for no-scuff orientation.
- Few moving parts minimize maintenance and maximize machine efficiency.
- Quiet and smooth operation with orienting speeds up to 300 BPM (attainable speeds depend on bottle size and shape).
- Scaled 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 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 with safety interlocks.
- Use your existing conveyor or can be provided with a Kaps-All® take away 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 75 years of packaging and orienting design experience.
- Prompt ready to operate delivery for all models.
- Since the ORIENTAINER® places the containers 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, KAPS-ALL® Bottle Cappers and LabelVantage® Labelers
- Designed for all industries including: Pharmaceutical, Personal Care Products, Foods, Biotech, Chemicals, Cosmetics, etc.

OPTIONAL FEATURES FOR ALL ORIENTAINER® MODELS:

- Optional Hopper Elevators are available in several sizes to best suit your exact requirements.
- Conveyor sensor will stall machine automatically matching 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.
- 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).

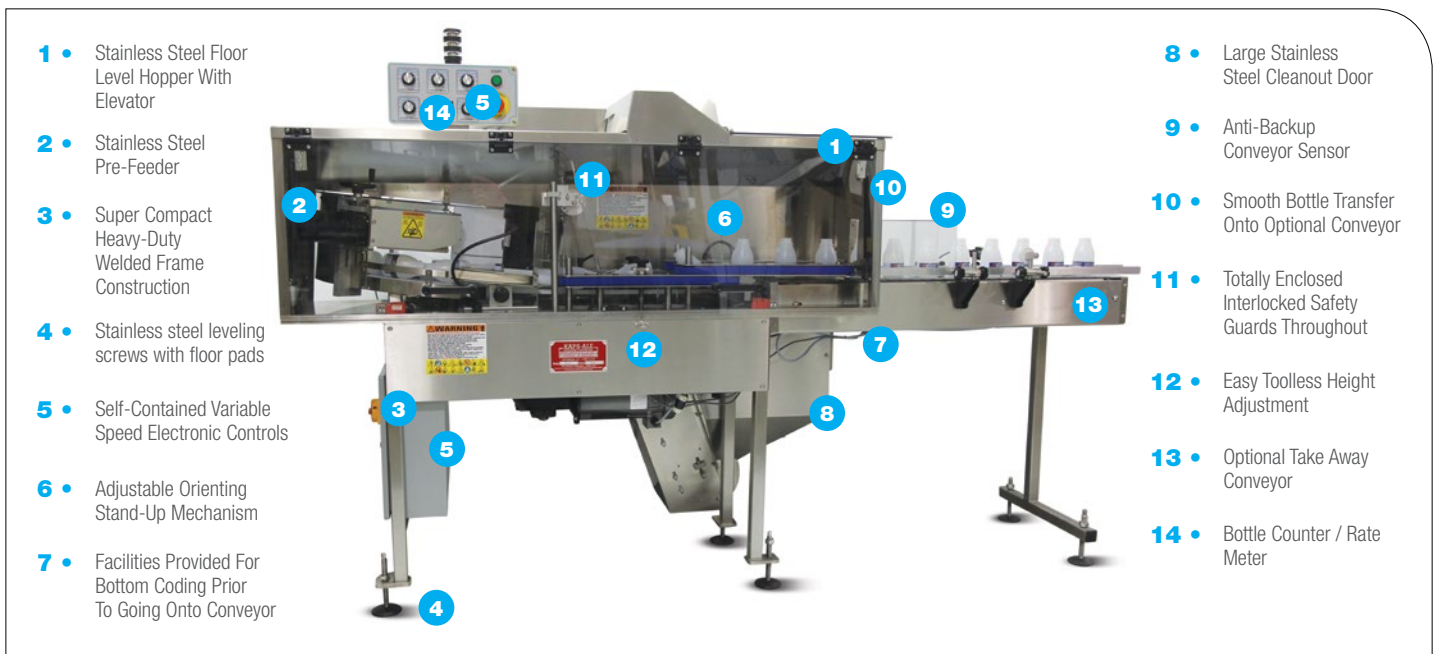
MICRO-MINI™ COMPACT BOTTLE UNSCRAMBLERS

The Smallest, Low Profile, Fully Automatic
Unscramblers In The Industry

03

Micro-Mini Compact

► MODEL AU-4 MICRO-MINI™ COMPACT BOTTLE UNSCRAMBLER



• The Model AU-4 has the same features and options as the Model AU-6-E except that it requires only 36 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 and require no air. 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 4 inches wide. A wide range of speeds can be obtained depending upon container size and shape.



SECONDARY BOTTLE ORIENTERS ARE USED For Asymmetrical Containers

Secondary Orienter
(Mechanical Type)

- The Standard **Orienter®** models on previous pages will orient the asymmetrical containers upright onto your conveyor but if they are not symmetrical (i.e.: offset bottle neck, handle on side, figurines with face, etc) the model SBO (Secondary Bottle Orienter) is useful to turn 50% of the bottles around all one way prior to entering the filler.

► MODEL SBO — SECONDARY BOTTLE ORIENTER (MECHANICAL STYLE)

- The secondary Bottle Orienter is designed to follow a Bottle Unscrambler. It will accept rectangular and/or asymmetrical containers and orient (turn) them to all face the same way and then continue them downstream to the filler, labeler and other operations.
- Handles a wide range of container shapes and sizes. • Only one moving part which minimizes maintenance and downtime. • Comes with standard 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.



CAMERA STYLE SECONDARY BOTTLE ORIENTER (S.B.O.) For Asymmetrical and Symmetrical Containers where Mechanical Method Above is not Suitable

Secondary Orienter
(Camera Type)

► AM-DA-SBO CAMERA BASED SECONDARY ORIENTER



PRIMARY FEATURES

- Camera inspection to verify one of two positions of an asymmetric bottle/cap combination. • Pneumatically activated bottle turner orienting incorrectly positioned bottles (can turn 90° or 180° as needed).

SECONDARY FEATURES

- Bottle counter and rate meter (Standard) • User friendly color touch screen controls for ease of set up complete with an A.B. PLC.
- Conveyor Speed monitor with encoder and alarm. • Solid one piece heavy duty welded frame on swivel casters with S.S. leveling screws with floor pads to fit over quoted conveyor. • Handle a wide range of container shapes and sizes. • Multi-level password protection.
- Capable of holding multiple recipes for quick changeovers.
- Input-output diagnostic screens • Non-Contact/Non-Destructive Inspection. • S.S. guarding/Lexan door with interlock safety switches
- S.S. patented clamps with dials and scales for fast repetitive changeovers. • Compact design uses minimum conveyor length.
- Comes standard with variable speed bottle separator.

ROTARY BOTTLE UNSCRAMBLING TABLE

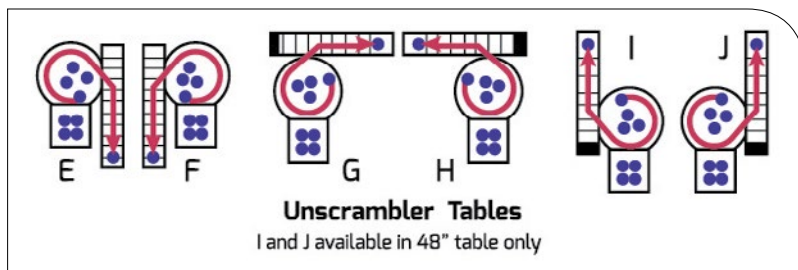
06

Unscrambling Table

► MODEL FS-U ROTARY SEMI-AUTOMATIC BOTTLE UNSCRAMBLING TABLES



MODEL FS-U Rotary unscrambling table shown feeding a bottle cleaner in background



► AVAILABLE UNSCRAMBLER LAYOUTS



► FS-U BOTTLE PUSHER BAR



► FS-A WITH OPTIONAL MOTORIZED ORIENTER WHEEL FOR NON-ROUND BOTTLES

► FEATURES

- 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.
- Fully adjustable solid-state variable speed drive with 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.

► ROTARY SURGE AND ACCUMULATION TABLES ALSO AVAILABLE – ASK ABOUT ROTARY TABLE SPECIFIC LITERATURE FOR MORE DETAILS.

► OPTIONS

- 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.
- Bottle pusher bars.

Two models available to suit your exact needs! For low, medium and high-speed bottling lines.



► CLEAN-N-VAC® MODEL AC-35



► CLEAN-N-VAC® MODEL AC-65

Both models automatically remove dust, dirt, carton lint and foreign matter using a combination of:

- 1- Inverting of bottle
- 2- High pressure (Intermittent with multiple nozzles) ionized air with ionizing status monitor
- 3- Highly efficient positive vacuuming

Benefits:

- Be certain of your products integrity and quality assurance
- Flexible, Quick, Easy changeovers
- Ionizing nozzle monitor for performance verification and ease of maintenance.

Additional Features:

- The model AC-35 handles up to 3.5" diameter bottles. The AC-65 can handle up to 6" diameters
- Ionizing feature neutralizes static electricity freeing dust and dirt for thorough cleaning
- Inverts containers over an effective cleaning range of up to 30 inches (Depending on model)
- Feeds bottles, inverts, ionizes, injects filtered, pressurized, ionized air, cleans with positive vacuuming and re-oriens bottles onto the conveyor
- Handles all materials including glass, plastic, metal, corrugated, etc.
- Handles a wide range of container shapes round, square, rectangle, oval, tapered, etc.
- Few to no change parts required for all materials and shapes
- Quiet, compact, versatile, low profile design
- Rugged, welded frame construction
- The longest guarantee in the industry - two full years
- These bottle cleaners are ideal if placed immediately after any bottle unscrambler that needs a cleaning function.
- S.S./Lexan Safety Guarding & Safety Interlocks standard

► ASK ABOUT OUR SEPARATE DETAILED LITERATURE ON THE CLEAN-N-VAC® COMPLETE LINE OF AIR RINSERS.

COMPLETE BOTTLING and Packaging Systems

08

Bottling Systems

► KAPS-ALL®. . .THE SINGLE SOURCE FOR ALL YOUR BOTTLING AND PACKAGING NEEDS.



► Model AC-35 Cleaner with Feed Systems® rotary unscrambling table (Right to left flow system)



► Model FA-R-24 Rotary Filler with A-6 Capper, AM-DA Inspection Center by Auto-Mate, AM-250 Induction Sealer by Auto-Mate and FS-S-48 Surge Table



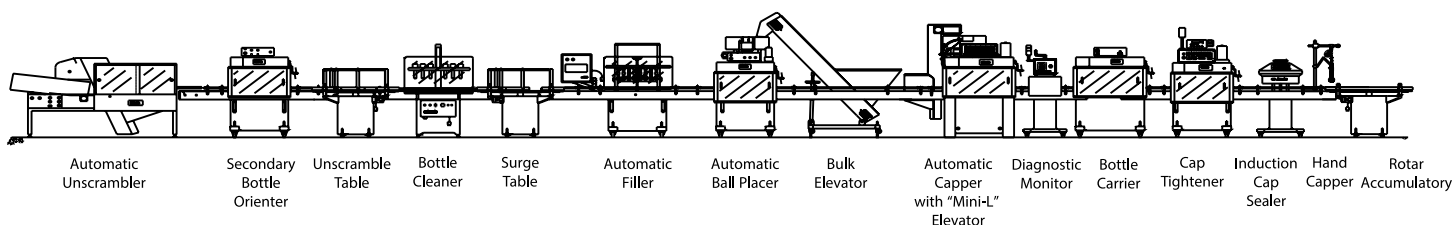
► Model A-6 capper with AM-250 Induction Sealer and LW-40 labeler

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

• Kaps-All® is a leading designer and manufacturer of quality packaging machinery and systems since 1941. Over 45 exclusive patented features provide for maximum proven performance, reliability and versatility to keep pace with the demands of your operation. There are thousands of Kaps-All® installations 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-proven packaging systems, call for more information or application assistance.

► Kaps-All has served the packaging industry for over 75 years, providing quality packaging machines for the entire spectrum of bottling applications.



Complete Orienting, Cleaning, Filling, Material Handling, Labeling, Conveying, Capping, Inspection and Sealing Systems

► YOUR ONE-STOP SHOP FOR COMPLETE BOTTLING SYSTEMS.

- Combination modular systems can operate together or separately.
- Integrated turn-key systems.
- Exclusive patented designs have minimal moving parts for quick changeovers.
- Modular design — Expandable to grow with your needs.
- Easy to set-up and operate—No skilled personnel required.
- Various models are available for all applications.
- Handles from vials to gallons, plastic, corrugated, glass or metal.
- Handles all shapes, heights and diameter containers.
- Rugged stainless steel construction.
- 2 year guarantee — the longest in the industry.
- Free training in our plant.

► ADDITIONAL PACKAGING EQUIPMENT

Kaps-All Packaging Systems, Inc. manufactures rotary fillers, piston pump volumetric fillers, gravity fillers, pressure fillers, volumetric gear fillers, timed gravity fillers and combination fillers. This selection provides you with the best filling method for your specific application. Also, automatic screw cappers, over-cappers, induction foil cap sealers, orienters, feeders, bottle unscramblers, accumulating tables, electronic torque meters, inspection machines, conveyors, labelers, sensors and digital recorders are available to provide full line capabilities from a single source ensuring product compatibility for your filling, capping and labeling needs. Our sales and engineering staff is always available if you need additional information or for custom applications.

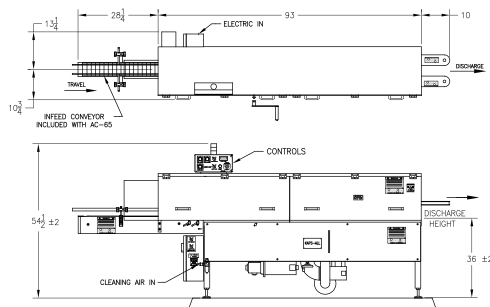
► FREE DEMONSTRATION AND TESTING OF YOUR PRODUCTS ON MACHINES AT NO COST — NO OBLIGATION

Contact Kaps-All for an initial evaluation of your products. We also offer free demonstrations and testing in our plant without any obligation on your part. We're convinced that once you see the versatility and state-of-the-art design of our equipment, you will appreciate the positive cleaning, orienting, filling, capping, sealing and labeling accuracy, dependability and low cost of the various models available. Kindly provide us with your production specifications and product to be tested. Approximately 16 containers of each container size along with caps, labels and 15 times the product volume or your largest container to be tested should also be submitted. *If hazardous, contact Kaps-All prior to shipping products.

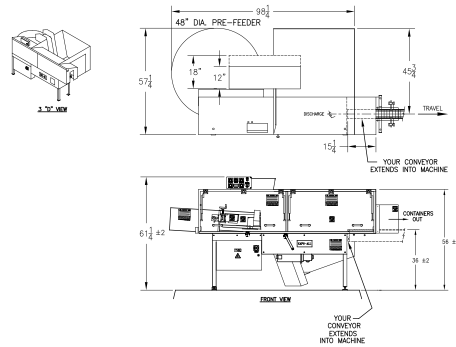
MACHINE SPECIFICATIONS

10

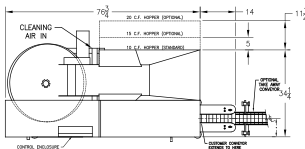
Specifications



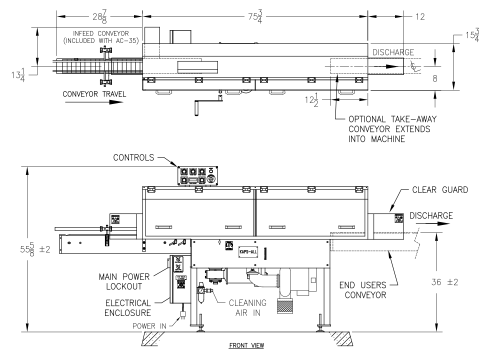
► MODEL AC-65



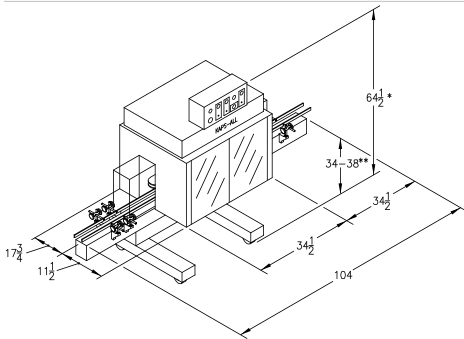
► MODEL AU-6-E



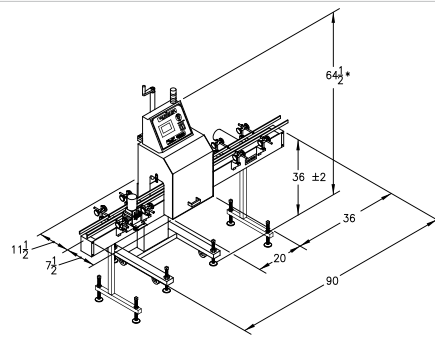
► MODEL AU-3C



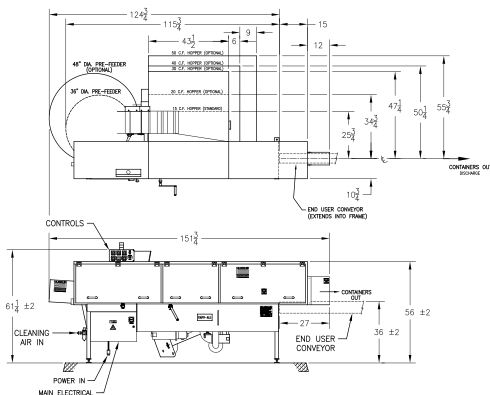
► MODEL AC-35



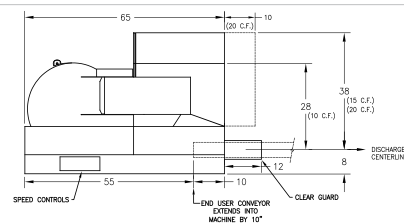
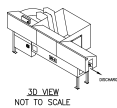
► MODEL SBO



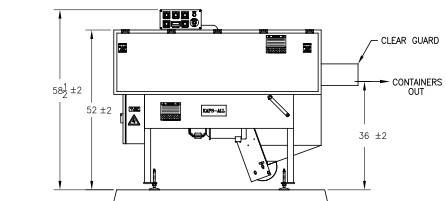
► MODEL AM-DA-SBO



► MODEL AU-6C-E



► MODEL AU-4



REPRESENTED BY:

NOTES:

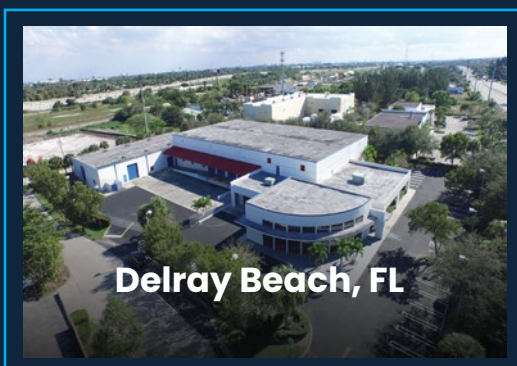
- 1 • All dimensions shown are in inches.
- 2 • *Indicates height based on a 34" high conveyor and a 6" tall container.
- 3 • ** Other conveyor heights available.
- 4 • Some items shown may be optional.
- 5 • Due to Kapsall's commitment to maintain quality leadership in the packaging industry, dimensions,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



Complete Filling And Bottling Systems
Are Available For The Entire Spectrum Of Packaging Applications:

- Pharmaceutical • Industrial • Cosmetic • Biotech • Laboratory • House-Hold Products
- Biomedical • Chemical • Food • Automotive • Veterinary • Paint • Toiletries
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Riverhead, NY 11901 USA

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- **KAPS-ALL®** Bottle Cappers and Cap Tighteners • **FILLS-ALL®** Rotary and Straight Line Automatic and Semi-Automatic Liquid Fillers • Bulk Loaders • **FEED SYSTEMS®** Rotary and Escalator Parts Feeders • **ORIENTAINER®** Bottle Orienters and Unscramblers • Accumulators
- **CLEAN-N-VAC®** Bottle Cleaners • **CONVEYS-ALL®** Conveyor Systems • Ball Placers
- Bottle Carriers • Heat Induction **WATERLESS CAP SEALER®** • Inspection Systems • **EASY KAP®** Hand Cappers • Desiccant Inserters • Electronic Torque Metering and Monitoring
- Custom Packaging Machinery • Wrap Labelers • Panel Labelers
- Combination Labelers • Custom Labelers



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