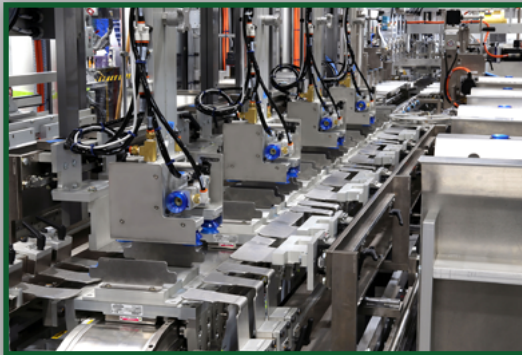


Packaging

TECHNOLOGY TODAY

Pack Expo Post-Show Solutions



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Packaging Systems from Aagard

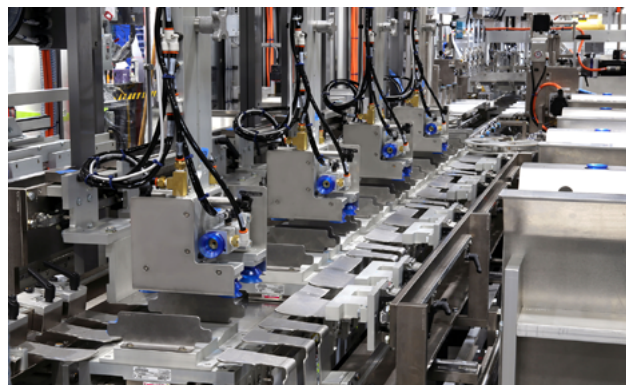
AAGARD'S MYRIAS IS A FULLY AUTOMATED VARIETY CASE PACKING SYSTEM

Aagard solved their customer's business challenge: Automated packaging of variety packs in a myriad of configurations, 4000 to be exact. Ranging from 1-6 flavors and 12-96 count cases.

This solution includes:

- Stand-up retail ready display trays and divider sheets.
- Made-to-fit tight floor space requirements
- Capable of running at rates of 100+ case per minute.
- Automated Changeover: The iTRAK System allows for flexible changeovers, dynamic motion changing between indexing and continuous motion profiles and independent car control. Automated recipe generation from a simple HMI interface. Changeover validation helps ensure precise setups and decreases changeover time. Adjustable change parts and easy recipe creation increases plant flexibility for new sizes.
- Full cubes of product are received in WIP trays in 6 depalletizing stations. Allowing for up to 6 different flavors to be process at a time and thousands of flavor combinations.

[Click here](#) to watch a video of this machine in action.



Myrias™

AAGARD'S ASPIRE™ OPTIMIZES SPACE, CAPABILITIES, AND RESULTS.

Small Footprint and Mobile: The Aspire™ packaging system is designed with a small footprint (9'9" x 14') and for in-plant mobility. This machine was made to be shipped in one piece for extremely fast installation. Drop down casters, fork lift tubes, and a retractable telescoping infeed conveyor allow the machine to be readily positioned wherever needed. **Bottom Line: Fast machine placement and installation**

High Performance: The case packer shuttle takes cases through loading and sealing stations which allows the robot to palletize simultaneously. One of the key devices, the 3 servo axis gantry robot, is responsible for picking cases out of the magazine and erecting them in the case shuttle at the load station and positions cases individually for complete flexibility in pallet patterns. The controls have been optimized to automatically calculate the smoothest motions throughout each operation for maximum longevity and performance. This high-performance machine can run 50+ cartons per minute in a small combination footprint. **Bottom Line: Increased speed capability while maintaining durability**

Fast Changeover, Flexible and Safe: The Aspire™ features adjustable change parts and easy recipe creation increasing plant flexibility for new sizes. Changeover verification ensures precise setups and decreased changeover time. Additionally, category 3 safety system including locking guard doors that are only allowed to open once the machine is in a safe condition. Light curtains protect the operator at each interface point while swapping pallets or replenishing the case magazine. **Bottom Line: Extremely flexible and safe operation.**

Cost Effective: Dual palletizing stations as well as a large capacity power lift case magazine permit enough buffer time for one operator to be responsible for up to five machines simultaneously. The dual pallet building

Aspire™



stations allow for continuous operation and reduced downtime. **Bottom Line: Runs continuously with minimal operator involvement**

[Click here](#) to watch a video of this machine in action.

ABOUT AAGARD

We are experienced innovators in customized packaging solutions: For 20+ years, we have specialized in engineering and building customized integrated combination packaging systems that fit our customers specific needs and spaces. Using our proven innovative technologies, our unique packaging machines can combine many solutions into a single turn-key system with one integrated control package.

Your Aagard system is made to fit your opportunity. Whether your need is for a design solution with a small footprint or a larger more flexible system that can produce 100s of product combinations, we will deliver

The Aagard Experience. We thrive on unique challenges, partnership, and innovative engineering, to create the exact solution for your needs, maximizing results and floor space.

Aagard

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Customized Product Packaging Solutions from Packsize

Packsize is a multinational technology company that develops, manufactures, supports, and sells a full spectrum of advanced packaging systems and automated machine technology. Packsize customers achieve packaging sustainability through the ability to create a right-sized box for every product, on demand. By creating right-sized packaging that provides exceptional protection without added waste, businesses can enhance their brand reputation, the customer experience, and their bottom line.

M1® — A FORWARD THINKING APPROACH TO A MODERN PACKAGING PROBLEM

The M1 from Packsize expands industry expectations for smart On Demand Packaging® production systems. The M1 meets global trends for smart manufacturing through intelligent design delivering exceptional reliability, performance, and efficiency for all types of manufacturing businesses. The M1 includes print-on-box functionality for markings up to 2 inches wide and with resolutions from 75 to 300 dpi.

X SERIES — GIVES E-COMMERCE AND DISTRIBUTION CENTERS ABILITY TO FULFILL UP TO 1,200 ORDERS AN HOUR

The innovator of On Demand Packaging systems installed worldwide, Packsize brings the expertise

to match market requirements for labor, shipping savings, and sustainability. Packsize's fast, reliable, and intelligent X Series automated packaging systems pack and ship right-sized single-item and unitized-multi orders, meeting requirements in demand by today'setailers.

The Packsize X7™ is a fully automated in-line packing and fulfillment system that gives high-production e-commerce operations the ability to fulfill up to 1,200 orders per hour. The X7 makes, packs, and labels a completed order in 3 seconds, handling product variability with ease.

The Packsize X4® automated On Demand Packaging system cuts, folds, labels, and glues a flat corrugated box in 12 seconds. The system's small footprint adds to its flexibility, allowing for a box to be erected and inducted onto a conveyor line, placed on a cart, or packaged right next to the machine.

IQ SERIES — CREATES SEAMLESS CUSTOMER EXPERIENCE FOR BUSINESSES AND RETAILERS OF ALL SIZES

The iQ Series brings lean On Demand Packaging to distribution and fulfillment, light manufacturing, and other businesses wanting to reduce waste,

decrease dimensional charges, minimize costs throughout the supply chain, and create a seamless customer experience.

The iQ Fusion 2® features a multi-patented horizontal outfeed and table that give a single operator the ability to transition from box creation to box induction without a significant increase in cycle time. This ergonomic enhancement also improves operator productivity.

In the more compact iQ3™, Packsize retains all-of-the best functions and features of the IQ Fusion 2 but gives retailers with real estate limitations and others struggling to manage the increasing volume of online orders an effective ship-from-store strategy. The portable iQ3 can operate as a self-contained On Demand Packaging system due to enhanced waste handling and the option to include an integrated air compressor.



Learn how to benefit from Smart Packaging for a Healthy Planet® at packsize.com or call 801.944.4814. Follow Packsize on [Twitter](#), [LinkedIn](#), and [Facebook](#).



Triangle Package Machinery Company



Increased production and efficiency. Versatile package styles. Ease of operation and maintenance. These are just some of the benefits offered by Triangle's latest packaging solutions, including:

- Compact Sanitary Bagger, Model CSB – our newest vffs bagger;
- Triangle/JDD Rotary Pouch Machine – designed to fill and seal pre-made pouches;
- Model XYRJ vffs bagger – versatile bagging machine with easily rotatable sealing jaw to run multiple bag styles.

Designed with the fresh cut produce market in mind but suitable for a variety of applications, **Model CSB** includes a film cage designed to be as narrow as practical, while accommodating the 27.5" film roll needed to make 13" wide bags. The bagger can run up to 70+ bags per minute, depending on bag length. To achieve maximum benefits, two Compact Baggers can be installed side by side (as a twin on 35-inch centers), sharing the same scale for filling the bags. This also provides the flexibility to run varying film structures or film rolls, or to perform routine maintenance on one machine without disrupting production on the second.

Even in a side-by-side configuration, the bagger's small footprint is very similar in size to that of typical single tube baggers. Achieve significantly more production within the same footprint without having to add more feeding systems, labor and floor space. Model CSB also offers state-of-the-art sanitation and is designed to be cleaned in place.

Triangle/JDD Rotary Pouch Machine: Designed to fill Doy bags, 3-sided seal, flat pouches and Stand-Up Pouches (SUP) at speeds up to 50 pouches per minute (ppm). Depending on the type of product being filled, the rotary pouch filler utilizes either a Triangle InLine Combination Weigher or other scale or auger to fill product into pouches. The system includes a series of stations to pick, open, fill, and seal the pre-made pouch. Other stations include a horizontal infeed belt to handle all pouch styles and a pouch outfeed conveyor. Standard features also include a pouch shaker to help settle product, as well as a date coder. Key features and benefits also include:



- No fill – no seal. If a bag does not open, product will not be dispensed. Bags not filled will bypass through the sealing station without sealing, saving product and wasted bags.
- Clean, open design for ease of sanitation and maintenance;
- Stainless steel frame (painted cast frame enclosed);
- Ease of operation;
- Superior service and support.

For packagers looking for versatility, consider **Model XYRJ vffs bagger**, designed to run a wide variety of bag styles, including 3-sided seal, pillow, and gusseted bags, as well as Stand-Up Pouches (SUP). A rotatable sealing jaw provides more flexibility than ever, allowing packagers to run multiple package styles on the same machine. Model XYRJ offers other benefits as well, including ease of set up and maintenance, better product flow, improved sanitation, and the speeds you need to improve production. A longitudinal or transverse zipper applicator and Ultrasonic cross seal and/or back seal are also options.

TRIANGLE
PACKAGE MACHINERY COMPANY

WHERE TECHNOLOGY + TRADITION MERGE

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www.trianglepackage.com

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William B. Rudow, Inc. - Manufacturer of Suction Cups, Vacuum Cups, and Rubber & Vinyl Suckers

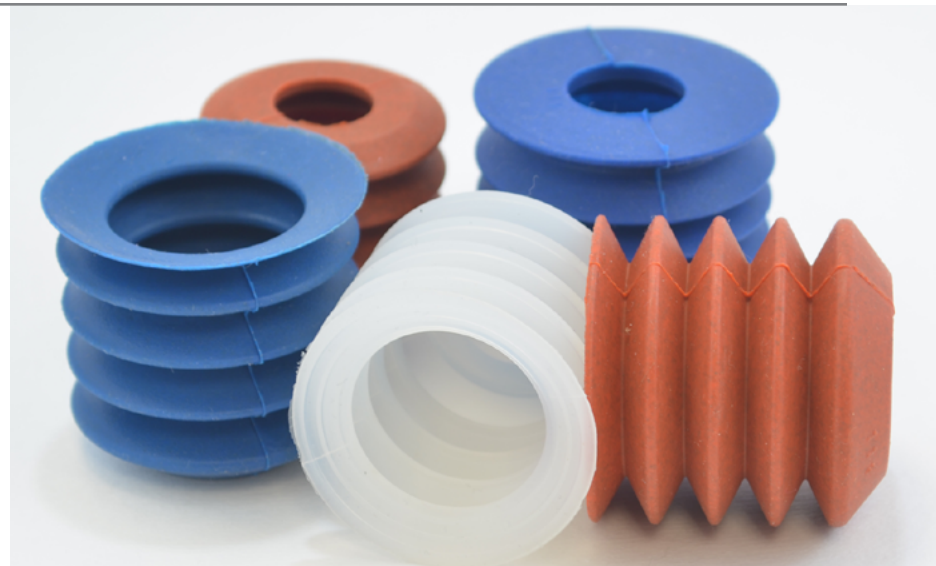


William B. Rudow, Inc. is a manufacturer of rubber and vinyl suckers, vacuum cups and suction cups for the packaging, baking, printing, collating, mailroom, robotics and parts handling industries. We have been in business since 1946. Because we have supplied continuous service to the trade for over 70 years, we have the know-how, knowledge and expertise with suckers. Our inventory is so complete, we ship over 96 % of our orders the day they are received!

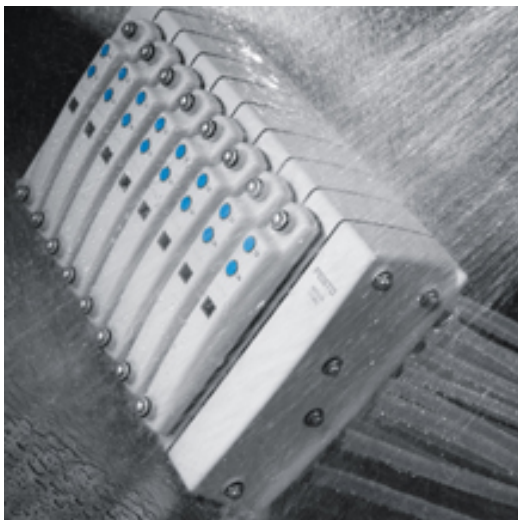
William B. Rudow, Inc makes vacuum cups for many different packaging machines, robotics, parts handling and other industrial handling machinery. We have thousands of vacuum cups, in a variety of styles and fittings. We make cups in rubber, vinyl, silicone, polyurethane, neoprene, and other materials.

William B Rudow Inc, understands that reputations are earned one customer at a time, which is why we have an uncompromising dedication to product reliability, service and support.

Check out our searchable web site at www.suckers.com where you can see photos and dimensions of many of our cups. You can contact us at info@suckers.com, or phone 941-957-4200, fax to 941-955-7666. You can send samples for identification to William B. Rudow, Inc, at 1122 Goodrich Ave, Sarasota, FL 34236.



Festo - Prime Movers in the Field of Automation and Technical Education



FAST CHANGEOVER

The [VTEM Motion Terminal's](#) intelligent pneumatic valves change functionality based on downloadable apps. The Motion Terminal is ideal for products with short lifecycles, lines where multiple stock keeping units (SKUs) are manufactured, and small lot production. At Pack Expo, Festo shows the Motion Terminal changing functionality in a matter of seconds. Functionalities include:

- Pressure control with a fluidic muscle DMSP
- Presetting travel time with a DGC linear drive
- Flow control with flow sensors SFAH
- Caudal regulator with the DGC linear drive
- Pick and place with a DGSL mini slide

[Watch on YouTube](#)

DESIGN A PICK-AND-PLACE ROBOT AND CONTROL CABINET IN MINUTES

Festo demonstrates a Cartesian robot and control cabinet that were designed in minutes utilizing the [Handling Guide Online](#) and These productivity tools slash the costs of engineering, assembling, and programming Cartesian robots – robots that can be used for pick and place, assembly, and general-handling applications.

With Handling Guide Online, engineers enter application parameters such as load and speed and the online tool designs the optimum two- or three-axes robot. The design process averages 20 minutes. At the completion of the session, the engineer receives a CAD file, bill of materials, and quote. Festo Cartesian robots are assigned a customer specific part number that facilitates reordering and global support. Robots are purchased as an all-in-one-box kit or as a ready-to-install subassembly.

The Festo Motion Control Package concurrently designs the control panel. Control panels arrive fully assembled. Personnel simply attach power and communication cables and begin the teaching process, which involves function blocks, not a specialized programming language. Robots can be in operation in a matter of hours after arrival.

[Watch on YouTube](#)



CLEAN DESIGN VALVE TERMINALS AND ACTUATORS

The [MPA-C valve terminal](#) is rated IP69K and can be mounted directly on a machine. The MPA-C is designed for harsh washdown environments and its rounded contour ensures cleanability. Like the MPA-C, the stainless steel [CRDSNU cylinder](#) meets current Good Manufacturing Practices (cGMPs) for cleanability. There are no threads on the CRDSNU bearing cap to trap contaminants. Its self-adjusting end-position cushioning system does not contain contaminant susceptible adjusting screws. The actuator also utilizes NSF-H1 grease and FDA approved seals. Festo features clean-design fittings and a range of FDA compliant tubing that resists hydrolysis, cracking, and wear in harsh washdown environments.

FESTO

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1-866-GO-FESTO (866-463-3786)
product.support.us@festo.com

Customer Service
1-800-99-FESTO (800-993-3786)
customer.service.us@festo.com

Visit us online at www.festo.com

MAKE YOUR MARK WITH SQUID INK'S COPILOT MAX HI-RESOLUTION PRINTING SYSTEM

Squid Ink's new CoPilot Max printing system is built with a number of features designed to help users make their mark on secondary cases, trays, and more. CoPilot Max utilizes Squid Ink's revolutionary active ink system, allowing the ability to tilt or rotate the printhead in any direction without making height adjustments to the ink supply. The CoPilot Max prints hi-resolution characters, razor-sharp text, scannable bar codes and great looking logos at an industry leading 360 dpi! Users also have the ability to print up to 2.8" of print height per printhead with the ability to run up to two printheads from a single controller. With these features and more, the CoPilot Max provides you with the ultimate solution for your case coding needs. [Learn More >](#)



INCREASE YOUR PRODUCTIVITY WITH THE NEW JETSTREAM CIJ PRINTING SYSTEM

Squid Ink's JetStream CIJ printing system is designed to print superior quality small characters on a variety of substrates: porous, non-porous, smooth, textured, curved, concave and more. Printing up to 5 lines of text, the JetStream offers a reliable, yet cost effective solution for virtually any small character, primary product coding application. The JetStream printhead features CleanJet™ technology for automatic one button self-cleaning operation, and the system's simple to use 10" color touch screen interface features a number of options to help users make their mark while streamlining their coding operation. With JetStream's intelligent system software, you can print what you want, when you want it. [Learn More >](#)



AUTOMATIC CASE ERECTING FOR STREAMLINING YOUR WORKFLOW



Do you have customers still manually forming and sealing their cases? Eastey has the solution to help maximize their production workflow. The ERX-15 Case Erector is designed to automatically erect and seal the bottoms of cases at production rates up to 15 cases per minute. The ERX-15 is designed to keep production and maintenance efforts at a minimum while providing fast, efficient case erecting, making the machine an ideal alternative to manual case forming. Learn more by visiting our website at eastey.com! [Learn More >](#)



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