



CIRRUS TECH AUTOMATED WAREHOUSE SOLUTIONS... DESIGN YOUR WAREHOUSE OF THE FUTURE TODAY.

It's becoming harder to find, hire, train and retain employees. Given the complex and dynamic environment of today's warehouse with the proliferation of SKUs, rarely does a "one size fits all" approach work. The Cirrus Tech Crane System can positively change the dynamic of your warehouse by providing more space with less square footage, reduce full time and temporary employees, decrease the pick path by up to 1/3 or more and lower damaged beer costs. Cirrus Automated Case Picking Systems deliver the right blend of automation and common sense by eliminating a lengthy traditional pick path and focusing on picking in the most optimal manner possible with the least amount of load builders for your warehouse.

EVERY CASE COUNTS™

CIRRUS TECH CRANE SYSTEM

RECEIVE, STORE, RETRIEVE, REPLENISH, AND PICK.



When does it make sense to put a Crane System in your warehouse?

The Crane is an excellent alternative to building a new facility or expansion. Depending on your warehouse dimensions, a Crane System could be a perfect fit for your existing warehouse or allow you to build a new expansion with significantly less square footage. It automates your operations and provides you with the reliability and flexibility needed to handle your ever-expanding volume and portfolio of SKUs. When you can't rack your warehouse anymore and need space...it's time for a Crane System.

Each Crane System is customized to each specific application where it will optimize warehouse operations including receiving, storing, retrieving, replenishing, code date rotation and picking.

Benefits of The Crane System Include:

- Maximize storage space in an existing or new warehouse
- Eliminate off-site storage and expansions
- Spend less on a new facility by building less sq./ft.
- Can typically free up additional dock doors & other areas
- Provides your warehouse with a future growth plan
- Eliminate forklift aisles for bulk storage lanes
- Up to 60% more pallet storage in an existing warehouse
- Touch your pallets 1 time vs. 4 to 5 touches
- An optimized pick path that will result in less travel time
- Reduce load builders, replenishers, overtime & damaged beer
- Effectively manage the increase of new SKUs
- Ability to incorporate layer picking and Cirrus QC Stations
- Systems can last 10-20+ years with preventative maintenance
- Proven technology with fault tolerance/redundancy
- Realized Return of Investment in less than 5 years (1 to 3 in most cases)
- Real-time inventory with Crane System WMS
- Fully integrated with your RAS



THE RIGHT BLEND OF AUTOMATION AND COMMON SENSE.

Ultimately, it's about bringing you a customized solution that fits your operation. Naturally, it starts by designing your system around your warehouse and how you do business. The main emphasis is making sure your system makes good business sense and will provide you with a solid ROI. Your Cirrus Automated Solution will be purpose built based on an extensive evaluation of your SKU profile, inventory data, and order analysis. It's becoming harder to find, hire, train and retain employees. Cirrus Automated Systems can positively change the dynamic in your warehouse. Cirrus Tech... the right blend of automation and common sense.

CIRRUS TECH AUTOMATED CASE PICKING

A SEAMLESS, HIGHLY PRODUCTIVE PICKING EXPERIENCE.

Conveniently and cost-effectively replenish and pick all of your SKUs in a condensed pick path with The Cirrus Semi-Automated Case Picking System.

Somewhere between full automation and no automation lies The Cirrus Semi-Automated Case Picking System. For distributors with a 2 to 8 million annual case volume size, The Cirrus Semi-Automated Case Picking System is a perfect fit. This less costly alternative has ROIs in the 2-3-year range, provides a much more organized pick path, less full-time employees, overtime and turn over. All of our systems are customized for each client's warehouse/distribution center and all designs are based off of Cirrus' extensive evaluation of the client's SKU profile and order data.

Cirrus designed this revolutionary picking solution that focuses on conventionally picking the top 50 - 125 SKUs while having different load builders pick medium to lower moving SKUs from a multi-level pick module. After all the high-volume SKUs are picked, the conventional pickers top off their pallet of orders at the downlines where all the product, that was picked in the pick module, is waiting for them.

Accurately pick all SKUs with one automated solution. A finished, fully palletized pallet of orders with The Cirrus Automated Case Picking System.

Cirrus Tech has spent over 20 years successfully implementing case picking systems from directed/voice picking to fully automated case picking systems where layers of product are placed in the system, and they are not touched until a fully built pallet is ready to be put on the truck.

For distributors with a 9+ million case volume size, The Cirrus Automated Case Picking System is a perfect fit. This solution includes a pick module to pick mid-volume to lower-volume SKUs, a high-speed picking area to pick layers of high-volume products and palletizer(s) to automatically palletize the finished pallet of orders. This system eliminates the need to pick orders conventionally in a pick path and automates the entire picking process. As with all of our solutions, each system is built for each client's warehouse/distribution center and all designs are based off of Cirrus' extensive evaluation of the client's SKU profile and order data.



FEATURES AND BENEFITS OF THE CIRRUS SEMI-AUTOMATED CASE PICKING SYSTEM:

- A lower total cost of ownership vs. a fully automated case picking system
- Ability to handle thousands of SKUs efficiently with the flexibility for SKU growth
- Design layout that will optimize picking and provide better organization for the warehouse
- Multi-level pick modules with mezzanines, conveyor, case flow, and full pallet picking
- Condensed pick path consisting of high-volume SKUs
- Downlines placed near the end of the pick path and stretch wrappers
- Can easily incorporate Cirrus Quality Control Stations to automate the QC and stretch wrapping process
- Reduction in labor & hardware costs by reducing turnover, employees, and overtime
- Easier, safer, and healthier for load builders vs. manual picking
- Integrated with layer picking to optimize the build of starter pallets for load builders
- Significant reduction in pick path vs. traditional pick path
- Efficient replenishment process with closer proximity to back stock locations
- Greater picking accuracy through monitor displays & automated system feedback
- Fully integrated with your RAS
- 2-3 year ROI

FEATURES AND BENEFITS OF THE CIRRUS AUTOMATED CASE PICKING SYSTEM:

- 100% picking and placing product on conveyor with no conventional pick path picking
- Multi-level pick modules with mezzanines, conveyor, case flow, and full pallet picks
- High-volume case picks are picked in tiers and placed either by layer picker or manually onto conveyor
- Product is picked for an order and merged onto conveyor where the product is automatically palletized by an automated palletizer
- Each finished pallet of orders is automatically conveyed to an automated stretch wrapping machine, the pallet is then picked up to be either staged or live loaded onto the truck
- Ability to handle thousands of SKUs efficiently with the flexibility for SKU growth
- Reduction in labor and hardware costs by reducing turnover, employees, and overtime
- Easier, safer, and healthier vs. manual picking
- Integrated with layer picking to efficiently pick high-volume SKUs onto the conveyor
- Efficient replenishment process with closer proximity to back stock locations
- Greater picking accuracy through monitor displays & automated system feedback
- Fully integrated with your RAS
- 2-5 year ROI

CIRRUS TECH QUALITY CONTROL (QC) STATION

VISIBILITY, CONTROL, ACCURACY AND ACCOUNTABILITY.

Quality control is the ultimate measure of accuracy and accountability. The Cirrus Tech Quality Control Station automates the pallet stretch wrapping and quality control process to ensure orders are accurately picked, wrapped and labeled with the exact location for drop off or staging.

QUALITY CONTROL STATION CONSISTS OF THE FOLLOWING:

- The Orion MA-DX LOPRO or Orion MA-DX2 LOPRO Stretch Wrap Machine
- Automated Pallet Wrapping
- Scanning verification and inline scales
- Induction Controls Hardware
- Back End QC Area Hardware
- Cirrus QC Software
- Professional Installation Services



BENEFITS OF THE CIRRUS TECH QUALITY CONTROL STATION:

- Significantly minimize picking errors
- Pickers can simply drop off the finished pallet of orders onto the automated stretch wrapping machine and then pick up their next starter pallet to pull products for the next order
- Less stress on the delivery driver and warehouse management because they know the orders on their truck have been quality checked prior to loading
- Load picking in reverse stop order for end-loaders with more accurately built pallets
- Labeled pallets for staging, dock door, or truck location
- Pickers on walkie riders can induct pallets automatically into the QC Stations
- Compatible with standard beer pallets and Rehrig 1/3 pallets
- Integration with any Route Accounting Systems (RAS)
- 24/7/365 Annual Support



WE ARE CIRRUS TECH INC.

Cirrus Tech, Inc. is the warehouse automation leader in the beverage sector providing dependable, best-in-class, ASRS, fully/semi-automated hardware and software solutions that can be scaled to fit in almost any warehouse environment.

When it comes to warehouse automation in beverage distribution, Cirrus is the foremost expert in the field. We are proud to be first-to-market in the beverage sector with an industry leading, yet to be duplicated, customized ASRS we call The Cirrus Tech Crane System. Our Crane System is a unique combination of high-volume, full pallet storage and retrieval coupled with automated replenishment making replenishing and picking a breeze. Cirrus is also the leader in case picking systems like The Cirrus Semi-Automated or Automated Case Picking System.

None of our technology matters if you can't rely on your automation provider... which is why Cirrus approaches every project from the standpoint of partnership. Cirrus' solutions are built for last for 10-20+ years and we support everything we sell. A solid long-term partnership is what you get when you are a world-class total solutions provider with best in breed, comprehensive products and services that Cirrus supports from the USA, on a 24 hour a day, 7 days a week, 365 days a year basis.

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