



AUTOMATION ESSENTIALS: ORION RTC STRETCH WRAPPER & AUTONOMOUS VEHICLES

R&E

ROBOTICS &
END OF LINE

IMPROVED THROUGHPUT | IMPROVED CONTAINMENT | IMPROVED PROFITABILITY

It's easier than ever to automate your workflow and boost your operations productivity, safety, and the bottom line. Autonomous Vehicles and Orion Stretch Wrappers integrate easily and provide a smooth flow of pallet loads through your warehouse, distribution center, or manufacturing facility.

Automating can help solve labor-shortage issues, free floor space, and can improve the quality and consistency of pallet load containment.

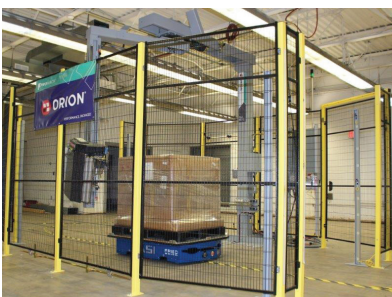
ARE YOU READY TO CUT CONVEYORS, CUT FORK TRUCKS, AND ADD SAFE, SMOOTH, FLOW THROUGH YOUR FACILITY?

CONSIDER AUTONOMOUS VEHICLES

Automated vehicles come in several styles from AGVs, like FRED which follows a route laid out on the floor, to sophisticated custom solutions like Quest Intelligent Autonomous Vehicles (IAV) that require no physical guides to safely and smoothly move product through your facility.

ADVANTAGES OF AGV OR IAV AUTOMATION INCLUDE:

- Works consistently without breaks 24 / 7 / 365
- Improves safety and reduces product damage caused by forklifts
- Solves labor-shortage issues and employee-training investments
- Frees up significant space for additional manufacturing lines or warehousing
- Easily adjustable to facility changes



WHY CHOOSE ORION?

Orion offers the most comprehensive, highest quality, heavy-duty industrial stretch wrapping equipment available and sets the standard for durability, efficiency, flexibility, reliability and performance. Our advanced film pre-stretch system assures the most efficient and cost effective use of every inch of stretch film. Made in the U.S.A. quality & technical support, along with one of the strongest distribution networks in North America, further define the advantages of selecting Orion equipment.

THE NEXT LEVEL AUTOMATION: THE ORION RTC & FRED

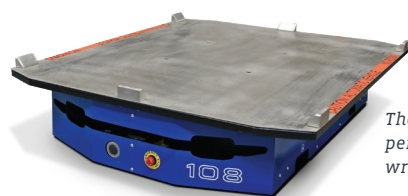
The RTC is a cost-effective option to quickly upgrade an existing line to automatic stretch wrapping performance. Featuring a standard 18" pass height it integrates easily with AGVs and existing conveyance.

FRED moves the pallet load along magnetic tape that creates traffic routes through the facility, similar to a train on a track. In the wrap zone, sensors detect FRED is in position with the load, the RTC is signalled, and begins the wrap cycle.

The RTC uses an intuitive HMI interface that is programmed with your wrap recipes. The fully automatic RTC applies the stretch film to the load at the cycle start and cuts it at the end. The RTC wraps the load using the Orion InstaThread film carriage with 260% standard pre-stretch, for maximum stability and load retention.

The RTC incorporates photo-eyes to detect load height without operator adjustment. Additionally, film force to load control is automatic, performing like cruise control, so the film constantly adapts to the load shape, size, and machine operating speed, resulting in minimal film breaks at maximum stretch.

To complete the wrap cycle, the RTC severs the film tail and presses it to the load. Then FRED recognizes the cycle is complete and moves the load on to its next destination.



The low-profile design permits loads to be wrapped on the FRED

AUTOMATION ON A LEVEL ALL ITS OWN: THE ORION RTC & QUEST IAV

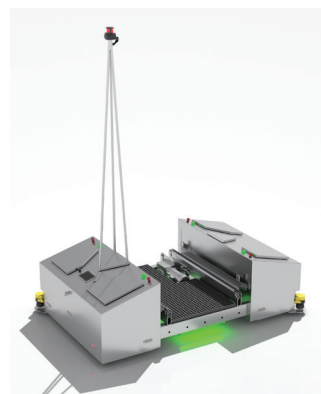
To fully optimize your automation, pairing the RTC with the Quest IAV is the ultimate pallet processing solution. The unique design of the Quest IAV handles extra large payloads, improving efficiency by moving entire pallets in one trip.

Unlike AGVs, the IAV technology saves time and money, because it eliminates physical guides and installation of the tape, rails, etc.

Quest IAVs intelligent mapping algorithm allows it to become artificially intelligent, so it can safely move about the facility following predetermined paths to execute its commands, even maneuvering around obstacles if required.

Despite the complexity of facility traffic flow, the IAV & RTC emphasis on safety includes key features like industry leading safety sensors that ensure that the vehicle slows down, stops or speeds up in response to the distance of a person or object.

When the IAV delivers the load to the wrap zone the pallet is automatically transferred to conveyor and integrates with the RTC's 18" pass height. Once the pallet load is in position, the RTC is signalled, and automatically performs the entire wrap cycle from start to finish.



Quest IAV integrates with conveyance



Learn more about the Orion RTC



Orion manufactures automatic and semi-automatic stretch wrapping equipment, offering the most comprehensive line of cost-effective pallet wrapping solutions at unparalleled value. As a leader in heavy-duty industrial stretch wrapping technology, Orion is dedicated to creating durable and film efficient machines without compromise to the safety and security of each pallet load. Orion is a product brand of ProMach, a global leader in packaging line solutions. As part of the ProMach Robotics & End of Line business line, Orion helps our packaging customers protect their reputation and grow the trust of their consumers. ProMach is performance, and the proof is in every package.

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