

A decorative horizontal line consisting of a series of parallel, slanted green dashes.

STRETCH PACKAGING SOLUTIONS CATALOG

R&E

ROBOTICS &
END OF LINE



For over 30 years Orion has been in the business of protecting customers' products, assuring their loads are safe and secure during the journey to market. As the leader in heavy-duty industrial stretch wrapping technology, our goal is to provide the highest quality stretch wrapping solutions in the industry.

Orion offers the most comprehensive line of stretch wrapping pallet packaging products including semi-automatic, stand-alone, fully/in line automatic stretch wrapping and pallet unitizing machinery. Machines are built in the USA and come with a commitment to customer support backed by a nationwide network of trained channel partners and after hours USA parts availability.

THE ORION DIFFERENCE: PRESTRETCH FILM DELIVERY SYSTEMS

Orion stretch wrapping solutions provide maximum load containment, keeping products safe and secure at the lowest total cost of ownership. We are an industry leader known for developing the most advanced prestretch film delivery systems. Our standard 260% prestretch means one foot of film on the roll, is 2.6 feet of film on the load. So, you can wrap over 2-1/2 times more pallets using the same amount of film. This material saving prestretch not only significantly reduces film costs, it's also an important feature from a sustainability standpoint, as more and more companies look for ways to reduce their environmental impact.

Other technologies inside the carriage, developed and only offered by Orion, eliminate film slippage and ensure that each load is wrapped with the exact amount of programmed wraps. Orion is the best at most efficiently and effectively using every inch of stretch film.



Stretch Wrapping Machine Types

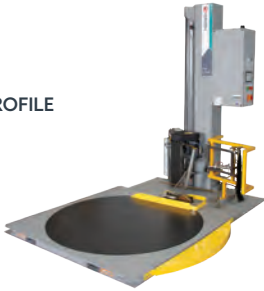
FLEX RTD ROTARY TOWER DELUXE



ROTARY TOWER

Rotary tower machines rotate the stretch film around a stationary load which is well-suited for pallet loads that are fragile, unstable, very light or very heavy. Rotary tower machines are also better for environments that require frequent wash-down in the wrapping area since the drive mechanism is above the load and the wrapping area remains clear.

FLEX LPA LOW PROFILE



TURNTABLE

Turntable models turn the pallet load on a turntable while the film carriage moves up and down on a mast. Many customers prefer turntable models for their smaller footprint and easy portability. Turntable drive systems use different support systems, so users must match the weight capacity of the machine (usually 4,000 to 6,000 lbs.) to the maximum load weight that will be processed.

ORBITAL WRAPPING SOLUTIONS



HORIZONTAL

Orion's line of horizontal wrapping systems can wrap longer loads that don't fit on a pallet. Ring sizes are customized to the application to accommodate a wide range of product shapes and sizes.

To use a horizontal wrapper, product is conveyed automatically through the wrap zone. The film carriage is mounted to the rotating ring. As the product passes through the ring, the film is wrapped around the product much like the wrapping around the handle of a tennis racket. At the end of the cycle, the film is cut automatically.

What's the Difference Between Semi-Automatic vs. Stand-Alone Automatic vs. Automatic?

SEMI-AUTOMATIC

Semi-automatic machines are generally portable and usually require an operator to attach the film, run the cycle, then detach the film after wrapping. In many situations, throughput rates of up to 30 or more loads per hour are possible with Orion semi-automatic models.

STAND-ALONE AUTOMATICS

Stand-alone automatic solutions are offered in both rotary tower and turntable models and offer the advantage of automatic film tail attachment and detachment to the load so operators don't need to. This keeps operators busy, productive and performing at maximum efficiency.

FULLY AUTOMATIC

Fully automatic systems have powered conveyors to move pallet loads in to and out of the wrapping zone. These conveyors can be loaded by forklift or may be connected upstream from a conventional or robotic palletizer. The machine is controlled by a PLC and does not require an operator to wrap loads.

Standard Features

- 260% Powered Prestretch Film Delivery
- Automatic Film Force to Load Control
- Auto Height Detection Photoeye
- Maintenance-free AC Motors
- Soft Start & Stop for Gentle Load Handling
- IntelVue Color Touchscreen HMI
- 3-5 Year Warranty
- Non-Proprietary Components
- Durable Steel Construction for Long Life
- Forklift Portable
- Revo-Logic Eliminates Film Waste on Top/Bottom Wraps
- Octagonal Turntable for Easy Forklift Loading (HP Models)
- Optional Ramp for Walkie or Pallet Jack Loading (LP Models)

TURNTABLE SEMI-AUTOMATIC & STAND ALONE AUTOMATICS

The Orion Flex line, as well as the Sentry, are all designed and built for superior performance, maximum reliability and economical operation. With a wide range of models and options, you can choose the stretch wrapping machine best suited for your application. Each of Orion's turntable models includes the following features and benefits:



Sentry HP The Perfect High Profile Entry Level Model

- 7" IntelVue Color Touchscreen
- 4,000 lb. Max. Load Weight
- 12 RPM Variable Speed Turntable
- Rugged Steel Construction
- 48"x48" Turntable for Loads up to 55"x55"
- 200% Powered Prestretch Film Carriage
- Chain Carriage Lift
- 3 Year Warranty



Flex HPD High Profile Deluxe

- 7" IntelVue Color Touchscreen
- 6,000 lb. Max. Load Weight
- 15 RPM Variable Speed Turntable
- 48"x48" Turntable for Loads up to 55"x55"
- Precision Ring Bearing Turntable Support



Flex HPA High Profile Stand Alone Automatic

- 7" IntelVue Color Touchscreen
- 6,000 lb. Max. Load Weight
- 15 RPM Variable Speed Turntable
- 48"x48" Turntable for Loads up to 50"x50"
- Precision Ring Bearing Turntable Support
- Automatic Film Tail Attach/Cut/Wipedown



Sentry LP The Perfect Low Profile Entry Level Model

- 7" IntelVue Color Touchscreen
- 4,000 lb. Max. Load Weight
- 12 RPM Variable Speed Turntable
- Rugged Steel Construction
- 65" Turntable for Loads up to 52"x52"
- 200% Powered Prestretch Film Carriage
- Chain Carriage Lift
- 3 Year Warranty



Flex LPD Low Profile Deluxe

- 7" IntelVue Color Touchscreen
- 6,000 lb. Max. Load Weight
- 15 RPM Variable Speed Turntable
- 63" Turntable for Loads up to 55"x55"
- Precision Ring Bearing Turntable Support
- 8 Heavy-duty Casters for Additional Support
- Full Surround Deck Protects Turntable



Flex LPA Low Profile Stand Alone Automatic

- 7" IntelVue Color Touchscreen
- 6,000 lb. Max. Load Weight
- 15 RPM Variable Speed Turntable
- 63" Turntable for Loads up to 50"x50"
- Precision Ring Bearing Turntable Support
- 8 Heavy-duty Casters for Additional Support
- Full Surround Deck Protects Turntable
- Automatic Film Tail Attach/Cut/Wipedown

TURNTABLE



STAND ALONE & FULLY AUTOMATIC

Fully automatic turntable solutions are well suited for medium to high speed applications where floor space is limited. A machine can be configured as an in-line system connected to a palletizer or can be loaded via forklift.



Flex CTS Conveyorized Twin Station

- 7" IntelVue Color Touchscreen
- 4,000 lb. Max. Load Weight
- 15 RPM Variable Speed Turntable
- 220V System
- 48"x48" Turntable for Loads up to 50"x50"
- Precision Ring Bearing Turntable Support
- Automatic Film Tail Attach/Cut/Wipedown



FA Turntable Automatic

- 10" IntelVue Color Touchscreen
- 4,000 lb. Load Weight
- Variable Speed 15RPM for up to 70 Loads per Hour
- Soft Start / Soft Stop Conveyors and Turntable
- Automatic Film Tail Attach/Cut/Wipedown
- Category 3 Safety Rating Standard

ROTARY TOWER SEMI-AUTOMATIC & STAND ALONE AUTOMATICS

Rotary tower machines rotate the stretch film around a stationary load which is well-suited for pallet loads that are fragile, unstable, very light or very heavy. These machines are also ideal for applications that require frequent wash-down in the wrapping area since the drive mechanism is above the load and the wrapping area remains clear. Because pallet loads are wrapped on the floor, there is no weight limit and loads are easy to load and unload. Choose between the semi-automatic model which requires manual attachment of the film tail, and manual film cut/wipe, or the stand alone automatic model which automates the process.



Shown with options, including free standing HMI pedestal.

Flex RTA Rotary Tower Automatic

- 7" IntelVue Color Touchscreen
- 16 RPM Variable Speed Arm Rotation
- Precision Ring Bearing Support System
- Automatic Film Tail Attach/Cut/Wipedown
- Increases Forklift/Pallet Driver Efficiency
- Start Cycle with Remote Control or Hanging Lanyard
- Floor Level Loading



Flex RTD Rotary Tower Deluxe

- 7" IntelVue Color Touchscreen
- 16 RPM Variable Speed Arm Rotation
- Precision Ring Bearing Support System
- Floor Level Loading



* RTA, RTD & RTC are available with gantry frame and fencing options for enhanced wrap zone protection, high speed applications, and oversized loads.



RTC Rotary Tower with Conveyance

- 7" IntelVue Color Touchscreen
- 16 RPM Variable Speed Arm Rotation
- Precision Ring Bearing Support System
- Automatic Film Tail Attach/Cut/Wipedown
- Wire-mesh Guarding with Light Curtains and Safety Controller
- Easily Integrates with Existing Conveyor Systems or with AGV's

POPULAR OPTIONS FOR AUTOMATIC SYSTEMS

No two applications are the same. That's why Orion offers a wide range of options for our FA and MA automatic models. Orion will help you configure a machine/option package to fit your exact requirements and maximize your end-of-line packaging operation.



Service Catwalk



Cornerboard Placement



6-Sided Wrapping System



Top Sheet Dispenser
(Wrap area model also available)



Palletizer/Wrapper Combo

ROTARY TOWER FULLY AUTOMATIC

Rotary tower machines rotate the stretch film around a stationary load which is well-suited for pallet loads that are fragile, unstable, very light or very heavy. Orion's MA Line includes 2 machines, both offering a best-in-class feature set. All MA models include a fully sealed slip ring, a film tail air knife, AC VFD motors, heavy-duty steel construction, 4,000 lb. conveyor capacity, high performance powered prestretch, RevoLogic top/bottom wrap count, and category 3 safety rating as standard.



MA-DX

- 10" IntelVue Color Touchscreen
- 4,000 lb. Load Weight
- 18 RPM for up to 65 Loads per Hour
- Up to 30 RPM Available as Option
- 4-Leg Design for Superior Rigidity
- ThermoBar for Film Severance
- Dual Carriage Available as Option



MA-X

- 10" IntelVue Color Touchscreen
- 4,000 lb. Load Weight
- 30 RPM for up to 100 Loads per Hour
- 36 RPM Available as Option
- 30" Precision Ring Bearing Drive
- A-Frame Design for Maximum Rigidity
- ThermoBar for Film Severance

ORBITAL WRAPPING SOLUTIONS

Orion's Orbital wrappers can unitize a wide range of long and/or oversized products that may be difficult to wrap on conventional stretch wrapping machines. Loads are transported through the ring horizontally as the film carriage spins around it applying prestretched film for a tight and economical wrap.



- Ring Sizes for Most Applications
- Fully Automatic
- Multiple Custom Conveyor Sizes & Types
- Eliminates Costly Strapping / Corrugated
- Single or Dual Film Carriage Configurations
- Powered Prestretch Film Carriage Delivers Superior Load Containment and Film Savings
- Corner Compensation Features Applies Film Pressure Evenly to Entire Load

POPULAR CONVEYOR OPTIONS

Orion offers a wide range of conveyor options to accommodate virtually any load type or application configuration. Match the conveyor to your existing conveyor to seamlessly integrate an FA or MA machine to your line.



LoPro Conveyor



Chain Transfer Conveyor



90 Degree Turn Conveyor



Low Pass Height



Extra Heavy Duty 6,000 lb. Capacity



Make sure every load is safe and secure during its journey to market with Orion, the leader in heavy-duty industrial stretch wrapping technology. Orion is an industry-leading manufacturer of automatic and semi-automatic stretch wrapping equipment, including rotary turntables, rotary towers, and horizontal wrapping systems. As part of the ProMach End of Line business line, Orion helps our packaging customers protect and grow the reputation and trust of their consumers. ProMach is performance, and the proof is in every package.

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