



STRETCH PACKAGING SOLUTIONS CATALOG

EoL

END OF
LINE

Over 30 years of stretch packaging experience and an installed base of thousands of machines worldwide has earned Orion a reputation for providing the industry with the most technically advanced, durable and reliable stretch wrapping systems available today.

From the beginning, Orion engineers have adhered to the principles of quality, durability and efficiency. That's why Orion machines are built from structural steel, heavy-duty industrial grade components and the most advanced electronic controls.

STRETCH WRAP: ECONOMY, EFFICIENCY, VALUE

With today's high-performance stretch films and advanced stretch wrapping machines, stretch packaging is by far the most efficient and cost-effective method of securing pallet loads. When prestretched through a high-performance film delivery system, stretch film becomes super strong and has a tremendous load holding power thanks to its natural "memory" or elastic quality.



MA-DX

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 MODELS

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 WRAPPING SYSTEMS

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.

Engineered and Built For High Performance and Maximum Durability

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 automatics offer the convenience and time-savings of an automatic model at a price closer to a semi-automatic. Stand-alone automatics 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.

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:

- Powered Prestretch Film Delivery
- Automatic Film Force to Load System
- Auto Height Detection Photoeye
- Maintenance-free AC Motors
- Soft Start & Stop for Gentle Load Handling
- 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)



Flex HPS High Profile Standard

- 5.7" IntelVue Color Touch Panel
- 4,000 lb. Max. Load Weight
- 12 RPM variable Speed Turntable
- Dual ANSI Chain Carriage Lift
- 48"x48" Turntable for Loads up to 52"x52"
- 4 Heavy-duty Turntable Support Casters



Flex HPD High Profile Deluxe

- 7" IntelVue Color Touch Panel
- 5,000 lb. Max. Load Weight
- 15 RPM variable Speed Turntable
- 48"x48" Turntable for Loads up to 55"x55"
- 8 Heavy-duty Turntable Support Casters



Flex HPA High Profile Stand Alone Automatic

- Automatic Film Tail Attach/Cut/Wipedown
- 7" IntelVue Color Touch Panel
- 5,000 lb. Max. Load Weight
- 15 RPM variable Speed Turntable
- 48"x48" Turntable for Loads up to 50"x50"
- Precision Ring Bearing Turntable Support



Flex CTS Conveyorized Twin Station Stand Alone Automatic

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



Flex LPS Low Profile Standard

- 5.7" IntelVue Color Touch Panel
- 4,000 lb. Max. Load Weight
- 12 RPM variable Speed Turntable
- Dual ANSI Chain Carriage Lift
- 63" Turntable for Loads up to 52"x52"
- Orion DuraGlide Turntable Support



Flex LPD Low Profile Deluxe

- 7" IntelVue Color Touch Panel
- 5,000 lb. Max. Load Weight
- 15 RPM variable Speed Turntable
- Full Surround Deck Protects Turntable
- 63" Turntable for Loads up to 55"x55"
- Orion DuraGlide Turntable Support



Flex LPA Low Profile Stand Alone Automatic

- Automatic Film Tail Attach/Cut/Wipedown
- 7" IntelVue Color Touch Panel
- 5,000 lb. Max. Load Weight
- 15 RPM variable Speed Turntable
- Full Surround Deck Protects Turntable
- 63" Turntable for Loads up to 50"x50"
- Precision Ring Bearing Turntable Support



Sentry The Perfect Entry Level Model

- 5.7" IntelVue Color Touch Panel
- 4,000 lb. Max. Load Weight
- 9 RPM variable Speed Turntable
- Dual ANSI Chain Carriage Lift
- 200% Powered Prestretch Film Carriage
- 65" Turntable for Loads up to 52"x52"
- User Friendly Control Panel

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 pre-stretched film for a tight and economical wrap.



- Ring Sizes for Most Applications
- Fully Automatic
- Multiple Custom Conveyor Sizes & Types
- Single or Dual Film Carriage Configurations
- Eliminates Costly Strapping / Corrugated

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.



Flex RTA Rotary Tower Automatic

- Automatic Film Tail Attach/Cut/Wipedown
- Increases Forklift/Pallet Jack Efficiency
- Start Cycle with Remote Control or Hanging Lanyard
- 16 RPM variable Speed Arm Rotation



Flex RTD Rotary Tower Deluxe

- Manual Film Tail Attach
- 16 RPM variable Speed Arm Rotation
- Floor Level Loading



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



AG360 Wrapping Robot

- Battery Powered Portable Wrapping Robot
- Bring Wrapper to Load for Maximum Flexibility
- Average of 300 Loads per Charge
- Orion IntelleVue Control Package
- Easily Adjust Film Prestretch 200% or 250%
- Sensor Bumper Detects Obstacles
- Ideal for Extremely Long Pallet Loads

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

TURNTABLE FULLY AUTOMATIC

For medium to high speed applications where floor space is limited, the Orion FA automatic stretch wrapping system fills the need. The FA can be configured as an in-line system connected to a palletizer or can be loaded via forklift.



FA

- Category 2 Safety Rating Standard
- Structural Steel Construction for Durability
- High Performance 260% Powered Prestretch
- Advanced Control Package with HD Color HMI
- Soft Start / Soft Stop Conveyors and Turntable
- All AC Motors with VFD Eliminate Maintenance
- Variable Speed 15RPM for up to 70 Loads per Hour

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 3 machines, each 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, 4,500 lb. conveyor capacity, high performance powered prestretch, RevoLogic top/bottom wrap count and category 2 safety rating as standard.



MA-X

- 30 RPM for up to 100 Loads per Hour
- 30" Precision Ring Bearing Drive
- A-Frame Design for Maximum Rigidity
- ThermoBar for Film Severance
- 36 RPM Available as Option



MA-DX

- 18 RPM for up to 65 Loads per Hour
- 23" Precision Ring Bearing Drive
- 4-Leg Design for Superior Rigidity
- ThermoBar for Film Severance
- 30 RPM Available as Option



MA-ST

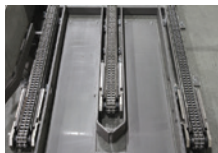
- 12 RPM for up to 45 Loads per Hour
- Precision Ring Bearing Drive
- 1 or 2-Leg Design for Maximum Flexibility
- Hot Wire for Film Severance with Optional Upgrade to ThermoBar
- 18 RPM Available as Option

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.



Split Conveyor



LoPro Conveyor



Chain Transfer Conveyor



90 Degree Turn Conveyor



Low Pass Height



X-tra 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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