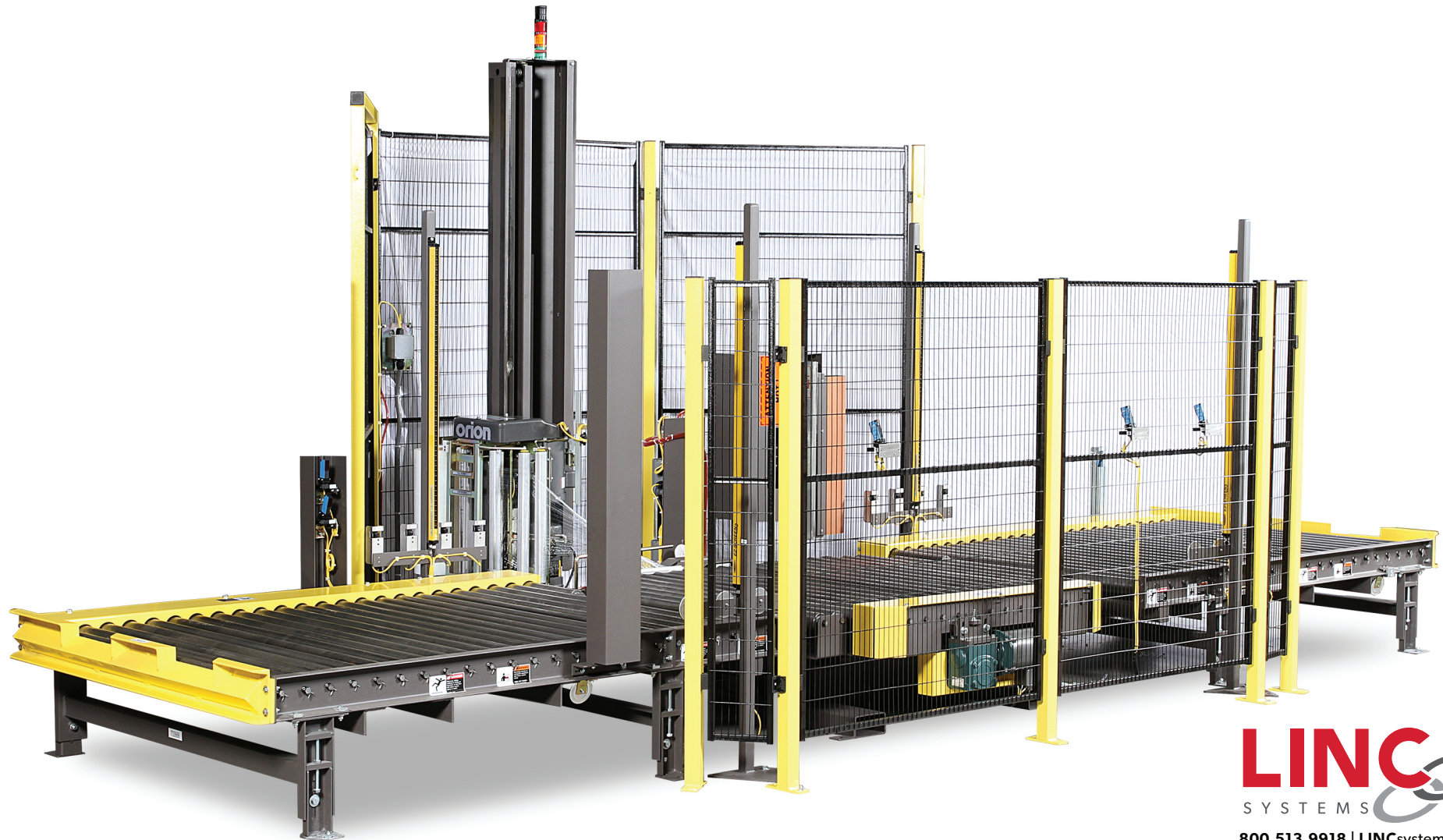


orion
FA

The Fully Automatic Orion FA features enhanced safety systems, optimal performance and maximum durability for years of dependable service.

turntable automatic Stretch Wrapping System



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FA Turntable Stretch Wrapping System

Orion's rugged and reliable FA turntable stretch wrapping system is unsurpassed in quality and performance. The FA is engineered for long-term reliability in even the harshest industrial environments so you can count on maximum uptime. Constructed from structural steel plate and tubing, the FA incorporates design innovations from Orion's 25 year history of manufacturing.

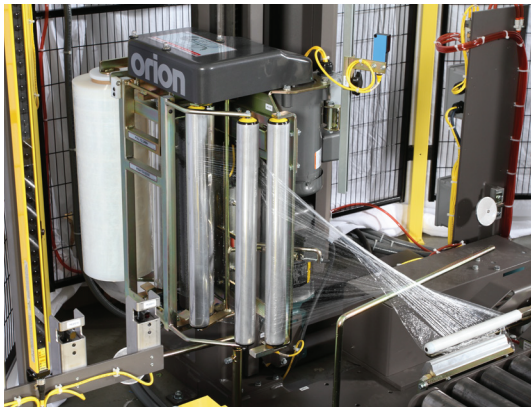
Built for Durability

Orion manufactures packaging machines that are designed and built to deliver the maximum performance and reliability by using materials that will pass the test of time.

- Structural steel construction
- Baked on powder coat finish
- Precision ring bearing turntable support
- High quality components and parts
- Chain & sprocket turntable drive

Insta-Thread™ Film Carriage

The film delivery system on the FA will help you reduce cost with every load you wrap. With a standard film pre-stretch rate of 260% you'll not only reduce cost by using less film, the film on the load will be stronger, so loads are securely wrapped for storage or shipping.



Film tail is held secure by clamp ready for next load. During wrap cycle air "knife" positions film tail on load to prevent hanging film tail. After wrapping, an impulse hot wire severs film web and pneumatic wiper device finds load and securely wipes film tail to the load for an attractive and professional looking unitized pallet load.

Advanced Controls

With an Allen Bradley MicroLogix PLC as the standard controller, the FA has all the flexibility and reliability you'll need for different wrap patterns or options.

- Color touch screen HMI
- A/B MicroLogix PLC
- External ethernet port & 110V outlets
- External serial communication ports
- Allen Bradley Power Flex VFD drives
- NEMA 12 rated control box with lock-out



A versatile menu driven color touch screen guides operators through a range of settings. A high degree of craftsmanship and pride can be seen inside the controller.

Rugged Conveyors

Orion builds its conveyors entirely in-house to assure the best quality control over every step of the design and manufacturing process.

- Soft start / stop reversible
- Adjustable self-leveling feet
- Height adjustable legs
- Convenient junction boxes



Maintenance-free AC motors are used throughout the FA for maximum reliability and performance.

Conveyor Loading

The FA can be configured as an in-line system connected to a palletizer, or as seen in photo, can be loaded via fork lift.



Category 2 Safety Rating

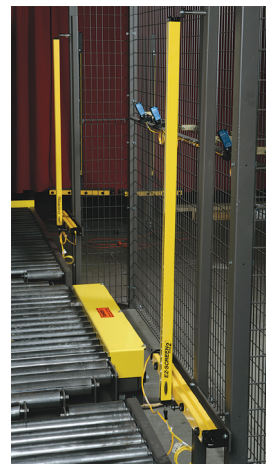
At Orion we take safety seriously. That's why the FA is the only automatic stretch wrapping system on the market to offer category 2 safety rating as standard, not as an option.

What is Category 2 Safety Rating?

We take safety in the workplace seriously. That's why Orion MA automatic systems are built to Category 2 safety standards. These standards include:

- Light curtains on infeed & exit with muting
- Full wire mesh safety fencing
- Two access doors with electrical interlock
- Electrical air dump purges air in E-stop
- Separate Start and Control Power Reset buttons

Category 1 or 3 standards are available optionally.



Light curtain photoeyes with full "muting" protect the wrap area.



Two electrically interlocked doors on the film side allow for convenient yet secure entry to the wrapping zone.



Shown with optional thermal bar film cutter

Orion FA Specifications

Turntable & Load

Turntable RPM	Variable 1 - 15 (Optionally up to 25)
Production Capacity (Loads per Hour)	40 - 70 depending on application
Maximum Load Weight (lbs.)	4,000 lbs. (Standard Elite conveyor) 6,000 lbs. (Optional Xtra Duty conveyor)
Maximum Wrap Height	80" Standard (Extended mast avail. for 95" or 110")
Maximum Load Size	48" x 48" x 80" H
Minimum Load Height	30" x 30" x 15"H

Conveyors

Elite conveyors (Base system)	1 Infeed, 1 turntable, 1 Exit
Conveyor Types	Powered chain driven roller
Roller diameter & centers	2.5" diameter rollers on 3.25" centers
Pass height	18" from floor
Speed	30 FPM with soft-start
Control	Allen Bradley Power Flex Variable Frequency Drives
Floor support	Steel channels with slotted adjustment & pivoting feet

Controls & Drives

PLC Controller	80 PSI @ 6 CFM
Control panel HMI	3 Year components / 5 Year frame / Lifetime prestretch rollers
Motors	Electrostatic Powder Coat
NEMA Rating	NEMA 12
Safety Rating	Category 2

Film & Carriage

Film width - Film carriage	20"
Film prestretch	260% (Available optionally 100% to 300%)
Film tail containment	Pneumatic, fold-away with air knife blower
Film tail treatment	Hot wire film severance with pneumatic wipe down loop
Independent carriage Up/Down controls	Yes: variable speed for both directions
Independent Top/Bottom wrap counts	Yes: 1 to 9 wraps

Structure & Finish

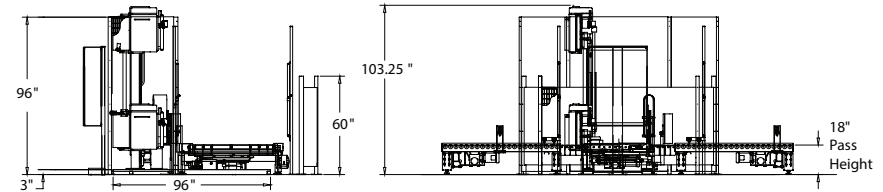
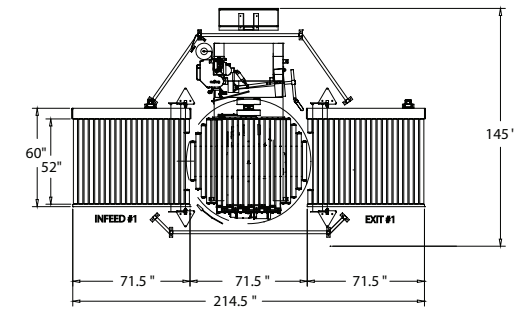
Base frame	Structural steel tubing
Film mast	Structural steel tubing
Finish	Baked on powder coat paint

Utilities

Standard voltage	480/3/60 (4-wire w/3 lines & ground) 30 AMP
Air requirements	60 PSI @ 6 CFM

Warranty

Components	3 Years
Structural Frame	5 Years
Prestretch rollers	Lifetime



Popular Options

- Gravity Conveyor Sections
- High speed 25 RPM
- 95 or 110 load height capacity
- Upgrade to 6,000 lb. capacity
- Automatic Top Sheet Dispenser
- Film Roping with Custom Program
- Weigh Scale Conveyor
- Lanyard Switch for Forklift Loading
- Secure Side Loading
- Upgrade to Category 3 Safety Rating
- Downgrade to Category 1 Safety Rating
- Increase or Decrease Pass Height
- Additional Conveyor Sections

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