



## Professional Packaging Systems

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## Contact

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# Orion MA-DX Rotary Arm Automatic Stretch Wrapper



## At a Glance

- 50 to 65 loads per hour, with up to 90 optional
- Super-stable 4-leg design
- Insta-Thread film delivery system
- Heavy duty conveyor built in house
- Simple, highly effective film tail treatment

## Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

## Stretch Wrapping System with Heavy Duty Conveyor, Film Tail Cut and Wipe

Orion's top selling MA-DX stretch wrapping system incorporates a super-stable 4-leg design that can be found in some of America's top Fortune 500 manufacturing and distribution plants. A long list of desirable features make the MA-DX the go-to system for high-performance applications. Now the Orion MA-DX2 takes the high-speed performance of the MA-DX up another notch. Using dual 30" Insta-Thread film carriages and 28RPM counter-balanced rotary arms the MA-DX2 pushes load throughput up to 100 pallets an hour.

## Insta-Thread 260% Pre-stretch Film Delivery System

Both the MA-DX and MA-DX2 are equipped with Orion's Insta-Thread film carriages, the fastest, easiest and safest film loading carriage on the market. With a standard 260% load stabilizing pre-stretch. The MA-DX2 incorporates a second rotary arm and film carriage on the opposite side of the load. The opposing carriages apply the film in a crisscross pattern that not only improves speed, it also provides additional stability. The Insta-Thread carriage also uses a sophisticated photo eye that senses even difficult colored and reflective loads. Sensors also detect if the stretch film breaks or runs out and will pause the system.

## IntelleVue HMI / Allen Bradley Controller / VFD Drives

The large format, user friendly and password protected IntelleVue HMI is incorporated in a free standing

pedestal that improves operator's line of sight of the entire process. The Allen Bradley Series PLC controller provides maximum flexibility and reliability. Low maintenance and long lasting AC motors are incorporated throughout with Variable Frequency Drives (VFD).

## CAT-3 and Multi-Zone Safety Features

Orion's industry leading CAT-3 electrical and multi-zone safety features help improve operator safety and performance. Separate CSA approved, UL listed and NEMA 12 rated high and low voltage panels prevent unnecessary exposure to high voltage components. The multi-zone access feature stops only the process zone, so the operator can switch out film while the product stages on the infeed or continues on the exit conveyors. A main emergency E-stop feature is incorporated and will completely shut down the system, in addition the MA-DX or MA-DX2 can be equipped with optional E-stops throughout the line.

## Rotary Slip Ring & Tower Drive

Both MA-DX models use a high quality rotary slip ring that is virtually maintenance free. The fully sealed unit dramatically reduces the maintenance associated with non-sealed slip ring assemblies guarding against dirt, dust, and debris. The rotating arm(s) are supported and driven by a 20" precision ring bearing. Our chain & sprocket drive includes soft start and stop for minimal wear and tear on the drive system. Major components are within easy reach for fast maintenance and service.

## Film Tail Cut & Wipe Down

At the end of the wrapping cycle, Orion's innovative asymmetrical film clamp grips the film web while the thermo bar cuts the film. The load seeking pneumatically actuated brush smooths and secures the film tail to the load as it moves to the exit conveyor. The result is an attractive, secure film tail that stays in place using minimal film.

## Optional Heavy Duty Conveyors

Unlike some manufacturers, Orion builds all of our own heavy duty 6,000 lb. roller conveyors in house for the ultimate in quality control and durability. In addition to our heavy duty roller conveyors, the MA-DX and MA-DX2 also combine seamlessly with the 60 feet-per-minute LoPro Drag Chain triple-strand conveyor that is popular in the beverage industry. The LoPro smoothly conveys up to three 2,500-pound pallets at a time, automatically separating them for wrapping and after wrapping consolidating them again for pickup.

## MA-DX Features and Benefits

Multi-Zone Safety stops only the process zone. The operator can switch out film while the product stages on the infeed or continues on the exit conveyors.

Revo-Logic technology with photo-eye sensors for precise application of programmed wraps, maximizing load containment and film yield.

Insta-Thread Film Carriage standard 260% pre-stretch.

Labor saving film tail cut & wipe automatically secures film.

User friendly 10" IntelleVue HMI.

Allen Bradley/Series PLC controller.

Low maintenance, long lasting AC motors.

Variable Frequency Drives (VFD) controllers.

## Options

Forklift photocell

Forklift wheelstop

Conveyor endstop

30" film roll carriage

LED lighting package

Film roping

Scale options

Upgrade speeds up to 30 RPM

Load heights up to 110"

Please [contact Pro Pac](#) or call 888-318-0083 for your stretch wrapping equipment.

## Specifications

Specification	Standard	Optional
Rotation Speed	18 RPM	30 RPM
Production Capacity (Loads per Hour)	50 - 65	Up to 90
Maximum Load Weight	4,500 lbs	6,000 lbs
Maximum Wrap Height	80"	95", 110"
Conveyor Speed (Feet per Minute)	40	30 to 60
Maximum Load Size	48" x 48" (larger available)	
Minimum Load Height	15"	
Minimum Wrap Height	2" from conveyor roller top	
Conveyor Roller Spacing	3.25"	
Display	10" color IntelleVue HMI	
Controller NEMA Rating	NEMA 12	
Independent Carriage	Standard	
Independent Top/Bottom Wrap Counts	Standard	
Safety Rating	Category 3	
Standard Voltage	480 VAC / 3ph / 60Hz	
Standard Air	6 CFM @ 80 PSI	
Foor Print	Process are 174.3"W x 197.66"D x 137.5"H	
Warranty	3 Year components / 5 Year frame / Lifetime prestretch rollers	
Paint Finish	Electrostatic powder coat	

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