FLEX™ SERIES

LP & HP Series Turntable

Stretch Wrapping Systems

Flex turntable stretch wrappers are available in three configurations so you can be sure to find the right machine for your application.

Automatic

Flex A Series machines offer maximum efficiency and economy by automating the film tail process. Available with high or low profile turntable.

Deluxe

The Flex D Series is the semi-automatic workhorse of the industry. D models are for medium to higher speed applications. Available with high or low profile turntable.

Standard

The Flex S Series offers incredible value and affordability with just the features you need. Ideal machine for light to medium duty applications. Available with high or low profile turntable.

FLEX SERIES LPA

Flex A models eliminate the need for operators to attach and cut the stretch film. Simply place the pallet load on the machine, and pull a lanyard switch while backing away. The machine will perform the entire wrap cycle automatically without the need for an operator to tie the film tail to the load at the beginning of the cycle, and detach it at the end. This will greatly impact the efficiency of your stretch packaging operation by keeping your operators busy with other tasks while the machine is wrapping.

Flex **L**ow **P**rofile **A**utomatic
Performance Features

- Automatic Cycle Reduces Labor
- 15 RPM Variable Speed with 'soft-start'
- 5,000 lb. Maximum Load Weight Capacity
- Economical 260% Powered Film Pre-stretch
- 63" Diameter Turntable for Loads up to 50"x50"
- Max Load Height 80" Standard, 110" Optional
- Load via Pallet Jack*, Electric Walkie* or Forklift
- AC/VFD Motors Reduce Maintenance
- Full Surround Deck Protects Turntable
- Structural Steel Frame for Durability
- Easy to Load Film From Side
- Forklift Portable from Front or Rear

A precision ring bearing and Orion's DuraGlide cams provide reliable support for loads weighing up to 5,000 pounds.

FLEX SERIES HPA

Flex **H**igh **P**rofile **A**utomatic
Performance Features

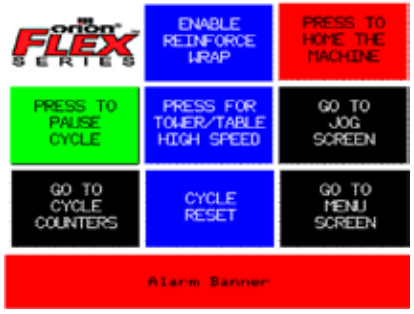
- Automatic Cycle Reduces Labor
- 15 RPM Variable Speed with 'soft-start'
- 5,000 lb. Maximum Load Weight Capacity
- Economical 260% Powered Film Pre-stretch
- 48"x48" Turntable for Loads up to 50"x50"
- Max Load Height 80" Standard, 110" Optional
- Octagonal Turntable for Easy Forklift Loading
- AC/VFD Motors Reduce Maintenance
- Structural Steel Frame for Durability
- Easy to Load Film From Side
- Forklift Portable from Front or Rear

Turntable support on the Flex HPA provided by a precision ring bearing for maximum durability.

* Optional ramp required for pallet jack, electric walkie loading

PLC Controller

- Non-Proprietary PLC
- NEMA 12 Rated Control Box
- A models Include Lanyard switch for remote start
- Large E-Stop / Cycle Pause Button
- Power Lockout Disconnect Switch



Control Panel HMI on D & A models

A versatile color touch screen display on D and A models guide the operator through a range of menu items for easy adjustment of operating parameters. Settings can be password protected for added security.

Flex D & A models use an industrial grade woven belt carriage lift for long service life and reliability. Orion's "drop lock" system prevents carriage movement in the unlikely event of belt breakage.

Flex stretch wrapping machines help you reduce material costs, labor costs and because they're so rugged, your true cost of ownership.

Flex machines are built rock solid

Orion's Flex stretch wrapping machines are built from heavy gauge structural and formed steel to assure a long lasting, durable machine. For convenience, all machines are forklift portable so they can be moved to the location where needed. WIth normal maintenance, your Flex stretch wrapper will give you many years of reliable and trouble-free use.

nsta-Thread™ Film Delivery System

Film threading is fast, easy and safe thanks to simple "drop-in" film loading. Simply open the gate, drop the film tail in, and close the gate.

Graphic instructions on top of the carriage guide the operator through film threading.

Film Tail Treatment System

The HPA and LPA feature a fully adjustable film tail clamp, cut and wipe mechanism that accurately catches the last film wrap, cuts it with an impulse hot wire, then smoothly brushes the film tail to the load. The film's natural tackiness keeps the tail firmly attached to the load. The system is designed to operate with a variety of load types and sizes, and has numerous adjustment points.

FLEX SERIES

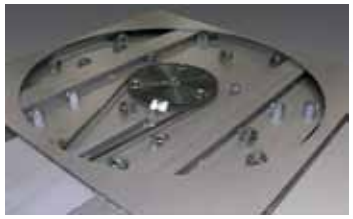
LPD

Flex D models are the result of 30 years of experience building rugged, reliable semi-automatic stretch wrapping machines. Built for most demanding industrial environments, the Flex Deluxe Series features a durable steel framework, AC motors, a belt-driven carriage lift and a heavy-duty turntable support system. D and A Series machines include the 260% (standard) Insta-Thread film delivery system to assure you get the maximum power and economy out of every foot of stretch film you use.

Flex **L**ow **P**rofile **D**eluxe
Performance Features

- 15 RPM Variable Speed with 'soft-start'
- 5,000 lb. Maximum Load Weight Capacity
- Economical 260% Powered Film Pre-stretch
- 63" Diameter Turntable for Loads up to 55"x55"
- Max Load Height 80" Standard, 110" Optional
- Load via Pallet Jack*, Electric Walkie* or Forklift
- AC/VFD Motors Reduce Maintenance
- Full Surround Deck Protects Turntable
- Structural Steel Frame for Durability
- Easy to Load Film From Side
- Forklift Portable from Front or Rear
- DuraGlide Support Bearings for quiet & reliable operation

** Optional loading ramp required. Above model shown with optional ramp*



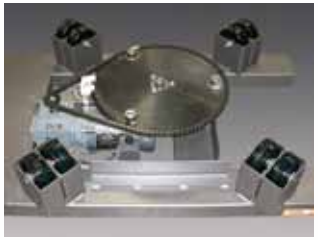
Flex A and D low profile models feature a heavy duty steel base with structural fork tubes that run the length of the machine. Turntable support provided by specially designed casters.

FLEX SERIES

HPD

Flex **H**igh **P**rofile **D**eluxe
Performance Features

- 15 RPM Variable Speed with 'soft-start'
- 5,000 lb. Maximum Load Weight Capacity
- Economical 260% Powered Film Pre-stretch
- 48"x48" Turntable for Loads up to 55"x55"
- Max Load Height 80" Standard, 110" Optional
- Octagonal Turntable for Easy Forklift Loading
- AC/VFD Motors Reduce Maintenance
- Structural Steel Frame for Durability
- Ergonomically Friendly Design
- Forklift Portable from Front or Rear
- 8 Heavy-Duty Turntable Support Casters



Flex HPD high profile offers reliable chain drive, a heavy duty steel frame and 8 industrial casters for turntable support.

FLEX SERIES

LPS

Proud to introduce the new Standard, or "S" Series, the latest addition to the popular Flex Series of stretch wrapping machines. The new High Profile Standard (HPS) and Low Profile Standard (LPS) have been designed to provide the same standards of durability, reliability and performance as the rest of the Flex line, yet at an affordable price.

Flex **L**ow **P**rofile **S**tandard

Performance Features

- 12 RPM Variable Speed with 'soft-start'
- 4,000 lb. Maximum Load Weight Capacity
- Economical 260% Powered Film Pre-stretch
- 63" Round Turntable for Loads up to 55"x55"
- Max Load Height 80" Standard, 110" Optional
- Password Lockout Capability Prevents Tampering
- AC/VFD Motors Eliminate Brush Maintenance
- Automatic Load Height Photoeye
- Structural Steel Frame for Durability
- Fork Lift Tubes for Easy Portability
- Long-Lasting DuraGlide Bearing Support
- Direct Chain & Sprocket Turntable Drive
- Separate UP/DOWN Carriage Speed

The simple yet functional control panel on the S Series features physical START and E-STOP buttons and a menu-driven touch panel for setting operating parameters and other functions.

FLEX SERIES

HPS

Flex **L**ow **P**rofile **S**tandard

Performance Features

- 12 RPM Variable Speed with 'soft-start'
- 4,000 lb. Maximum Load Weight Capacity
- Economical 260% Powered Film Pre-stretch
- 48"x48" Turntable for Loads up to 55"x55"
- Max Load Height 80" Standard, 110" Optional
- Password Lockout Capability Prevents Tampering
- AC/VFD Motors Eliminate Brush Maintenance
- Automatic Load Height Photoeye
- Structural Steel Frame for Durability
- Fork Lift Tubes for Easy Portability
- 4-Point Caster Support for reliable operation
- Direct Chain & Sprocket Turntable Drive
- Separate UP/DOWN Carriage Speed

The S Series features the InstaThread film carriage which is driven by a 2-chain drive system for smooth, reliable operation.

Feature for feature, dollar for dollar, Flex stretch wrappers offer you more value than any competitive machine on the market today.

State-of-the-art Controller Technology

From its clean and simple user interface on the outside to its sophisticated programmable logic controller and AC variable frequency drives inside, every aspect of the Flex control package has been designed for maximum reliability, flexibility and ease-of-use.

nsta-Thread™ Film Delivery System

Flex A and D Series machines help you reduce cost with every load you wrap. With a standard film pre-stretch rate of 260% (higher than most competitive machines) you'll not only save money by using less film, the film on the load will be stronger, so loads are securely wrapped for storage or shipping.

Optional Heavy Duty Ramp for Easy Loading via Electric Walkie or Pallet Jack

An optional Flex loading ramp can be placed in any one of three loading positions: right, left or center. Flex LPA and LPD models feature a full surround deck around the turntable for added convenience when placing loads. Gradual turntable acceleration (soft-start) assures that light or unstable loads can be safely wrapped.

Popular Flex Series Options

- Loading Ramp
- Oversize Load Configuration
- 30" Insta-Thread™ Film Carriage
- Insta-Cut™ Automatic Film Web Severance
- “Stretch & Weigh™” Scale Package
- Dual Turntable Option
- Extra Heavy Load Weight Capacity
- Environmental Options
- French or Spanish HMI Language

The Insta-Cut option boosts production by eliminating the need for operators to manually sever the film web at the end of the cycle.

The motorized top platen option is ideal for unstable loads. The platen lowers to press down on the top of the load while wrapping.

The split base option is used with oversized loads. This option can be combined with the scale option to provide an accurate load weight.

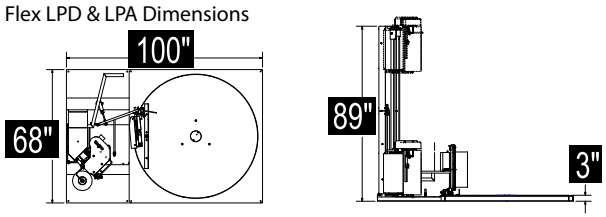
The dual turntable option, available for high or low profile models, increases efficiency by allowing simultaneous load staging and wrapping.

The gravity conveyor option allows for integration with infeed and exit conveyor for easy roll-on, roll-off load movement.

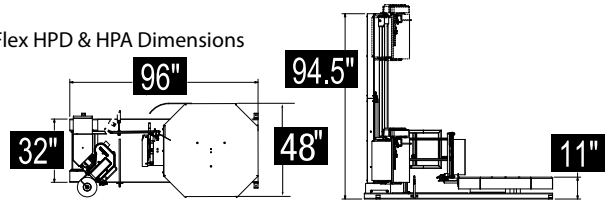
Features & Available Options

Flex FEATURES Chart	LPA	HPA	LPD	HPD	LPS	HPS
Automation						
Automatic Load Height Detection	Std.	Std.	Std.	Std.	Std.	Std.
Automatic Film Clamp/Cut	Std.	Std.	N A	N A	N A	N A
Automatic Film Press-to-Load	Std.	Std.	N A	N A	N A	N A
Automatic Film Severance - InstaCut	N A	N A	Option	Option	Option	Option
Controls & Drives	LPA	HPA	LPD	HPD	LPS	HPS
Industrial PLC (non proprietary)	Std.	Std.	Std.	Std.	Std.	Std.
Color Touch Screen HMI Display	Std.	Std.	Std.	Std.	N A	N A
Monochrome Touch Screen HMI Display	N A	N A	N A	N A	Std.	Std.
Separate UP/DOWN Carriage Speeds	Std.	Std.	Std.	Std.	Std.	Std.
UL Approved Control Panel	Std.	Std.	Std.	Std.	N A	N A
NEMA 12 Control Box	Std.	Std.	Std.	Std.	N A	N A
AC Motors with Variable Frequency Drives	Std.	Std.	Std.	Std.	Std.	Std.
Password Lock-Out Capability	Std.	Std.	Std.	Std.	Std.	Std.
Spanish & French HMI Capability	Std.	Std.	Std.	Std.	N A	N A
Turntable	LPA	HPA	LPD	HPD	LPS	HPS
4,000 Pound Capacity	N A	N A	N A	N A	Std.	Std.
5,000 Pound Capacity	Std.	Std.	Std.	Std.	N A	Option
6,000 Pound Capacity	Option	Option	Option	Option	N A	N A
Steel Deck Frame Surrounding Turntable	Std.	N A	Std.	N A	N A	N A
8 Point Caster Support	N A	N A	N A	Std.	N A	Option
4 Point Caster Support	N A	N A	N A	N A	N A	Std.
Multiple DuraGlide Support Bearings	Std.	N A	Std.	N A	Std.	N A
Precision Ring Bearing Support	Std.	Std.	Option	Option	N A	N A
Direct Chain & Sprocket Drive	Std.	Std.	Std.	Std.	Std.	Std.
Film Carriage	LPA	HPA	LPD	HPD	LPS	HPS
InstaThread @ 260%	Std.	Std.	Std.	Std.	Std.	Std.
Automatic Force-to-Load Control	Std.	Std.	Std.	Std.	Std.	Std.
Drop-In Film Threading	Std.	Std.	Std.	Std.	Std.	Std.
Lifetime Warranty Stretch Rollers	Std.	Std.	Std.	Std.	Std.	Std.
Adjustable Ultra Low Wrap Feature	Std.	N A	Std.	N A	Std.	Std.
Structural	LPA	HPA	LPD	HPD	LPS	HPS
Powder-Coat Paint	Std.	Std.	Std.	Std.	Std.	Std.
Structural Steel Base	Std.	Std.	Std.	Std.	Std.	Std.
Forklift Portable from Front	Std.	Std.	Std.	Std.	Std.	Std.
Forklift Portable from Rear	Std.	Std.	Std.	Std.	N A	N A
Steel Deck Frame Surrounding Turntable	Std.	N A	Std.	N A	N A	N A
Electric-Walkie or Pallet-Jack Ramp	Option	N A	Option	N A	Option	N A
Safe Interaction	LPA	HPA	LPD	HPD	LPS	HPS
Drop-In Film Threading	Std.	Std.	Std.	Std.	Std.	Std.
Film Carriage Down Obstacle Detection	Std.	Std.	Std.	Std.	Std.	Std.
Film Carriage "Drop-Lock" Technology	Std.	Std.	Std.	Std.	N A	N A
Steel Guarding at Film Clamp/Cut/Press	Std.	Std.	N A	N A	N A	N A

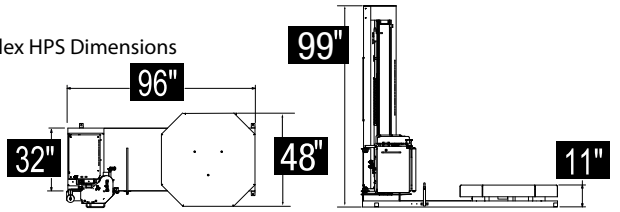
Flex LPD & LPA Dimensions



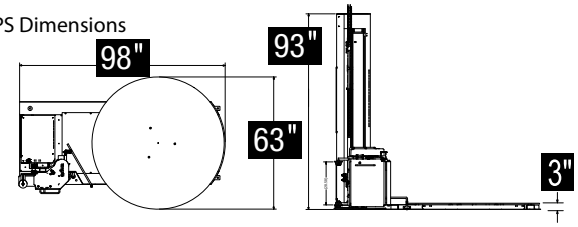
Flex HPD & HPA Dimensions



Flex HPS Dimensions



Flex LPS Dimensions



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