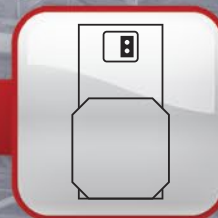
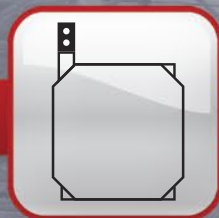
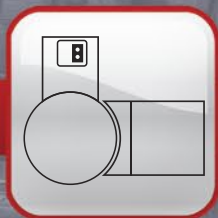




Quality End-of-Line Pallet Unitizing Solutions



AUTOMATIC | SEMI-AUTOMATIC | ORBITAL | CUSTOM

DISTRIBUTED BY

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1 INTRODUCTION TO MACH 1 PACKAGING

SEMI-AUTOMATIC STRETCH WRAPPERS
2 - 3 Rocket L - H - LP - HP

4 - 5 Sonic LPX - LPS - HPX

6 - 7 Sonic Rotary Arm RTX - RTG

AUTOMATIC SYSTEMS
8 - 10 Dynamic RTX - RT - TTX

11 Orbital Galaxy

CUSTOM STRETCH WRAPPERS
12 LPS Scale - HPX Scale
LPX Top Platen - LPX Window Wrapper
HPX Split Base - LPX Dual Turntable
Sonic LPA - Sonic MAX

MEET THE EXPERTS...

Mach 1 Packaging Ltd. is a pioneer in the engineering and manufacturing of stretch packaging machines and systems. Capitalizing on over 30 years of experience in the industry, we are the most valuable partner for modernizing and upgrading your end-of-line packaging process.

Since day one, we have been proudly offering the most advanced stretch packaging solutions in the industry. Year in, year out, we're investing considerable resources into research and development. The reward for this commitment to excellence is having the best equipment always a step ahead of the competition.

Pallet Unitizing Solutions For All industries

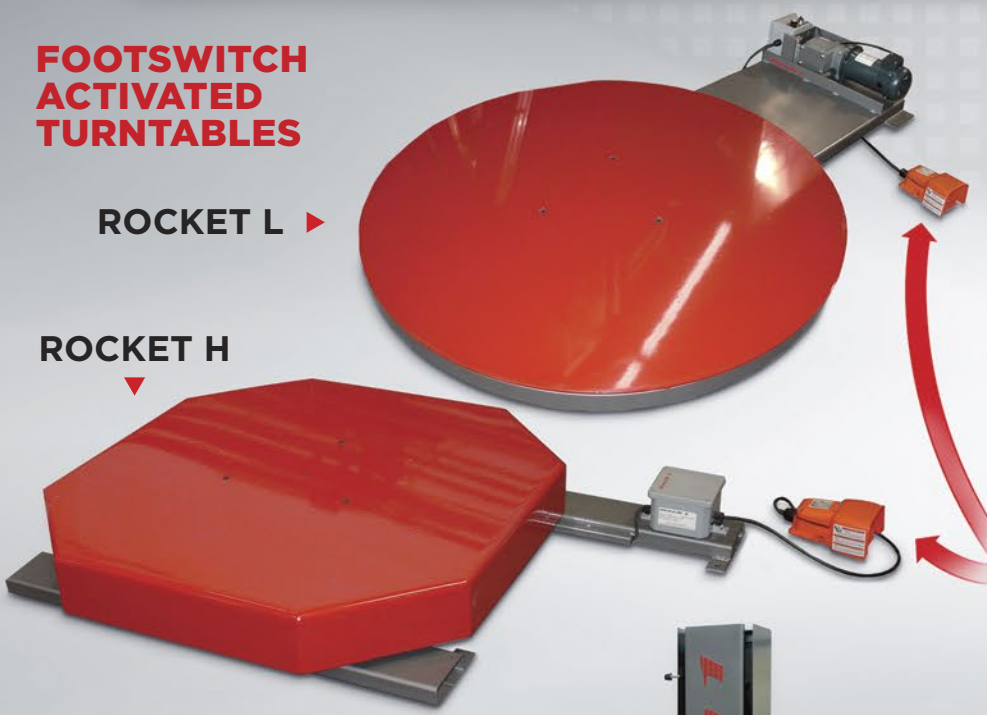
Mach 1
STRETCH PACKAGING EQUIPMENT

ROCKET LINE - the ideal solution for low volume pallet wrapping

FOOTSWITCH ACTIVATED TURNABLES

ROCKET L ▶

ROCKET H ▼



The unique PRO-GLIDE support casters are robust and require very little maintenance.

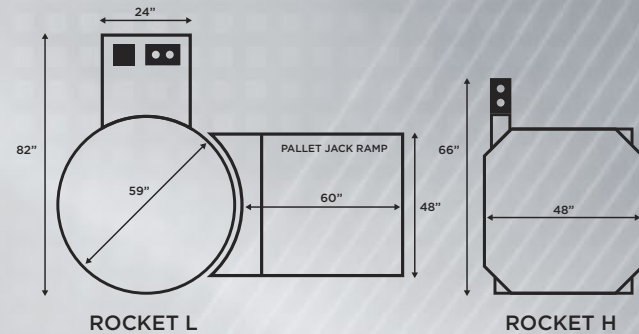
- ✓ Structural steel frame
- ✓ Forklift portable
- ✓ Very low maintenance turntable drive
- ✓ Easy access to components
- ✓ 1/2 HP turntable drive motor
- ✓ Heavy duty turntable chain drive
- ✓ Heavy duty turntable support casters
- ✓ Turntable soft start/stop
- ✓ Rugged all steel footswitch

The operator can easily set the turntable rotating speed to rapidly wrap any type of pallet.

TECHNICAL SPECIFICATIONS	
➤ Turntable Speed	Adjustable up to 14 RPM
➤ Control Type	Footswitch activated
➤ Max. Load Capacity	5,000 lbs
➤ Max. Load Height	Unlimited
➤ Turntable Size H	48" x 48" diameter octagonal
➤ Max. Load Size H	Unlimited
➤ Turntable Height H	9" from floor
➤ Turntable Size L	59" diameter
➤ Max. Load Size L	54" x 54"
➤ Turntable Height L	3" from floor
➤ Electrical	115/1/60 10 amp
➤ Warranty	1 year limited

POPULAR OPTIONS

- Loading ramp for pallet jack use for L
- Surround deck for pit mounting for L
- Frame extension for larger pallets for L
- Turntable weight capacity increase
- Scale package with digital weight indicator
- 59" diameter round turntable for H



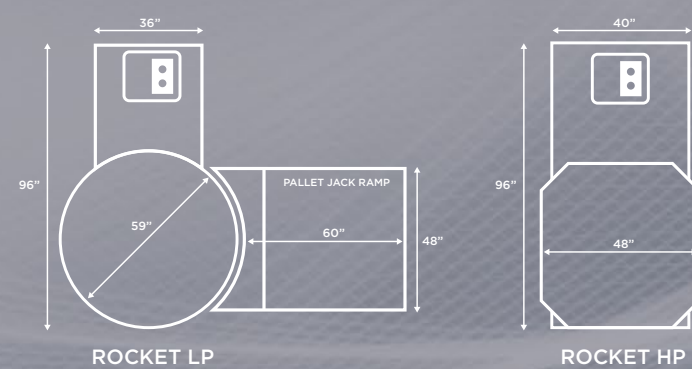
ROCKET LP ▶



ROCKET HP ▶



TECHNICAL SPECIFICATIONS	LP	HP
➤ Turntable Speed	Adjustable up to 14 RPM	Adjustable up to 14 RPM
➤ Control Type	Full-Feature Semi-Automatic	Full-Feature Semi-Automatic
➤ Max. Load Capacity	5,000 lbs	5,000 lbs
➤ Max. Load Height	86"	80"
➤ Turntable Size	59" diameter	48" octagonal
➤ Turntable Height	3" from floor	9" from floor
➤ Pre-Stretch Ratio	0 to 150%	0 to 150%
➤ Max. Load Size	56" x 56"	56" x 56"
➤ Electrical	115/1/60 15 amp	115/1/60 15 amp
➤ Warranty	1 year limited	1 year limited
➤ Tower Height	85"	85"
➤ Clearance Required	90"	90"



LOW-PROFILE SEMI-AUTOMATIC

HIGH-PROFILE SEMI-AUTOMATIC

The E-STRETCH film carriage provides consistent film force and stretch to securely wrap pallet loads

- ✓ Uses 20" machine film
- ✓ Adjustable to 18" hand wrap rolls
- ✓ Adjustable film force
- ✓ 0 to 150 % film stretch
- ✓ Rugged and low maintenance UHMW carriage guide
- ✓ Quick and easy film replacement
- ✓ Ideal for pre-stretched film

The robust PRO-GLIDE turntable system features superior weight capacity

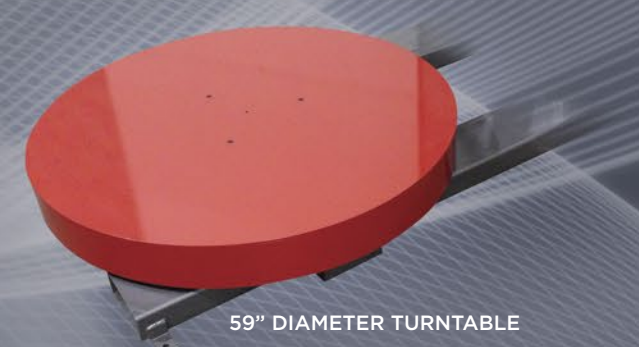
- ✓ Structural steel frame
- ✓ Forklift portable
- ✓ Very low maintenance
- ✓ Easy access to components
- ✓ 1/2 HP turntable drive motor
- ✓ Heavy duty turntable chain drive
- ✓ Maintenance free turntable support casters (LP)

The advanced and user-friendly DIGI-TECH control unit features unique functions to wrap any type of pallet

- ✓ Photo-eye automatic height detection
- ✓ Separate top and bottom wrap count 1-10
- ✓ Turntable soft start/stop
- ✓ Dual adjustable film carriage speed
- ✓ Reinforce wrap function
- ✓ Positive turntable home alignment
- ✓ Gentle wrap feature for light or unstable pallets

POPULAR OPTIONS

- Standard loading ramp for pallet jack (LP)
- Extended heavy duty ramp for electrical walkie (LP)
- Wrap height extension for taller pallets
- Frame extension for longer and wider pallets
- 30" film carriage



59" DIAMETER TURNTABLE

SONIC LINE - the most versatile turntable stretch wrapper

LOW-PROFILE SEMI-AUTOMATIC

SONIC LPX ▶

SONIC LPS ▶

HIGH-PROFILE SEMI-AUTOMATIC

SONIC HPX ▶

POPULAR OPTIONS (LPX / LPS)

- › Standard loading ramp for pallet jack
- › Extended heavy duty ramp for electrical walkie
- › Wrap height extension for taller pallets
- › Frame extension for longer and wider pallets
- › Built-in scale package with digital weight display (LPS)
- › Auto film cut
- › 30" film carriage
- › 70" diameter turntable



The X-TRETCH pre-stretch film carriage provides superior film economy, film tension and user safety.

- ✓ Uses 20" machine film
- ✓ Electronically adjustable film tension
- ✓ 250% film pre-stretch ratio, others available
- ✓ Maintenance free ball bearing carriage guide
- ✓ Automatic corner compensation
- ✓ Lifetime warranty on stretch rollers



The Robust PRO-GLIDE turntable support system is maintenance free and features superior weight capacity.

- ✓ Structural steel frame
- ✓ Forklift portable
- ✓ Flush with floor pit mountable
- ✓ Easy access to components
- ✓ 1/2 HP turntable drive motor
- ✓ Heavy duty turntable chain drive
- ✓ Maintenance free turntable support casters (LPX, LPS)



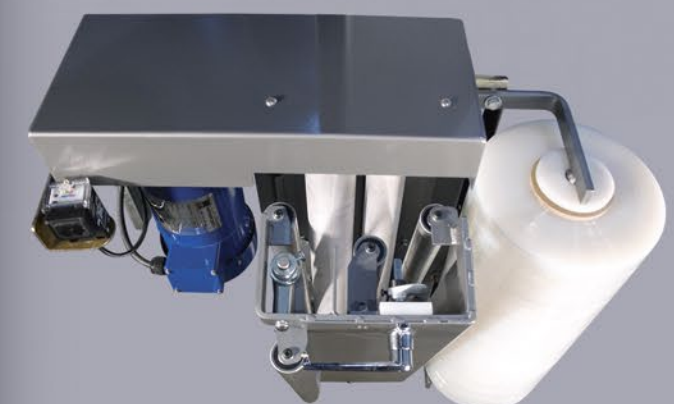
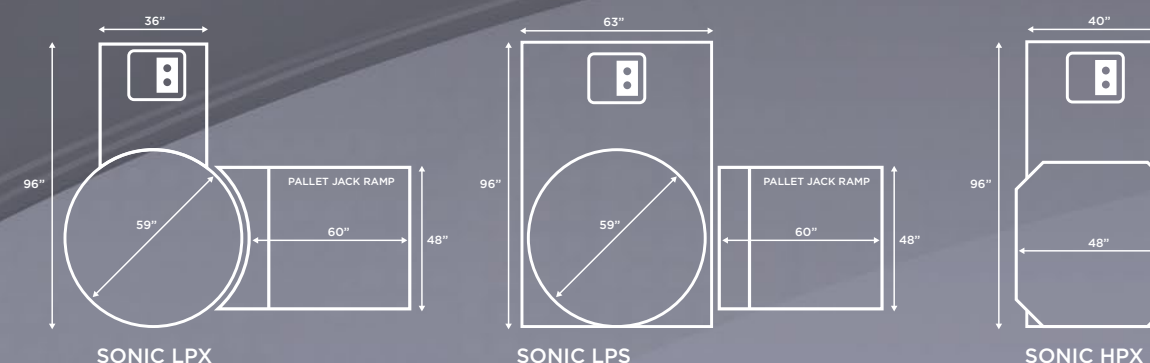
The advanced and user-friendly DIGI-TECH control unit features unique functions to wrap any type of pallet

- ✓ Photo-eye automatic height detection
- ✓ Separate top and bottom wrap count 1-10
- ✓ Turntable soft start/stop
- ✓ Dual adjustable film carriage speed
- ✓ Reinforce wrap function
- ✓ Positive turntable home alignment
- ✓ Gentle wrap feature for light or unstable pallets

POPULAR OPTIONS (HPX)

- › Wrap height extension for taller pallets
- › Frame extension for larger than standard pallets
- › Split base for variable pallet size
- › Turntable weight capacity increase
- › Scale package with digital weight indicator
- › Auto film cut
- › 30" film carriage
- › 59" diameter turntable

TECHNICAL SPECIFICATIONS	LPX / LPS	HPX
› Turntable Speed	Adjustable up to 16 RPM	Adjustable up to 16 RPM
› Control Type	Full-Feature Semi-Automatic	Full-Feature Semi-Automatic
› Max. Load Capacity	5,000 lbs	5,000 lbs
› Max. Load Height	86"	80"
› Turntable Size	59" diameter	48" x 48" octagonal
› Turntable Height	3" from floor	9" from floor
› Pre-Stretch Ratio	250% standard	250% standard
› Max. Load Size	56" x 56"	56" x 56"
› Electrical	115/1/60 15 amp	115/1/60 15 amp
› Warranty	3/5 years	3/5 years
› Tower Height	85"	85"
› Clearance Required	97"	97"



SONIC ROTARY ARM - *experience superior film economy*



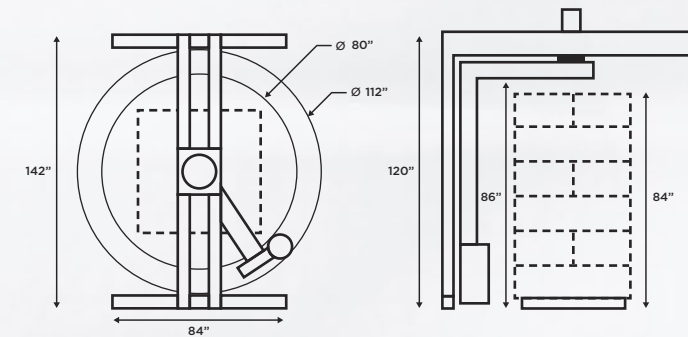
SONIC RTG

SONIC RTX

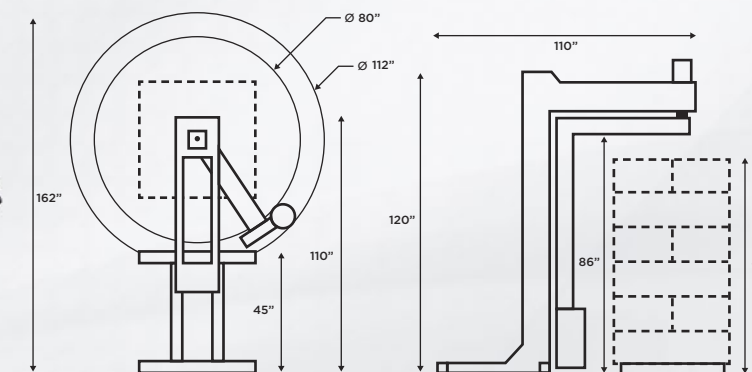
SEMI-AUTOMATIC
ROTARY ARM

TECHNICAL SPECIFICATIONS

> RTX Arm Speed	Adjustable up to 14 RPM
> RTG Arm Speed	Adjustable up to 16 RPM
> Control Type	Full-Feature Semi-Automatic
> Max. Load Height	84"
> Max. Load Diameter	76"
> Pre-Stretch Ratio	250% standard
> Max. Load Size	54" x 54"
> Electrical	115/1/60 15amp
> Warranty	3/5 year limited



SONIC RTG



SONIC RTX

POPULAR OPTIONS

- > Wrap height extension for taller pallets
- > Platform scale with digital weight indicator
- > 30" film carriage
- > Safety guarding around wrap zone
- > Auto film cut
- > Arm speed increase



The X-STRETCH pre-stretch film carriage provides superior film economy, film tension and user safety

- ✓ Uses 20" machine film
- ✓ Electronically adjustable film tension
- ✓ 250% film pre-stretch ratio, others available
- ✓ Maintenance free ball bearing carriage guide
- ✓ Automatic corner compensation
- ✓ Lifetime warranty on stretch rollers

The Sonic RTX and RTG features an all steel robust frame and the rotary arm ring gear support requires very little maintenance

- ✓ Structural steel frame
- ✓ Lag down pole stand (RTX)
- ✓ Gantry frame (RTG)
- ✓ Easy access to components
- ✓ 1/2 HP turntable drive motor
- ✓ Heavy duty arm tower chain drive
- ✓ Heavy duty ring bearing arm support

The versatile HMI touch screen allows for a quick setup to wrap various type pallet loads

- ✓ Photo-eye automatic height detection
- ✓ Separate top and bottom wrap count 1-10
- ✓ Rotary tower soft start/stop
- ✓ Dual adjustable film carriage speed
- ✓ Lockable wrap parameters access
- ✓ Safety photo-eye in front of rotary tower
- ✓ Automatic rotary tower home position

***DYNAMIC LINE** - fully automated, conveyORIZED stretch packaging systems*



PREMIUM AUTOMATION

Mach 1's DYNAMIC automatic stretch packaging systems are the perfect solution for higher production rates with around the the clock operation. These conveyORIZED systems can be customized and implemented as stand alone or in-line with endless configuration possibilities. Our engineering capabilities

can provide an infinite list of optional features for specific applications or load types. With quality components and heavy duty construction, the DYNAMIC line of automated systems is your ultimate solution for long term reliability and lowest cost of operation.



HEAVY DUTY CONVEYORS

Conveyors that come standard on Mach 1 automatic systems are built in-house from the strongest materials and quality components. Expect frames built with heavy gauge and structural steel, fully welded conveyor rollers with solid steel axels and cast-iron flanged bearing support. Our fabricating techniques have been developed to provide tightly assembled conveyor rollers with side-to-side play.



ROBUST ENGINEERING

We are the company known for heavy duty, stable and long lasting machinery. This comes as no surprise when all of our engineering relies on structural steel and precision laser cut steel components. Oversized mechanical components combined with smart technologies contribute to the lowest maintenance requirements in the industry.



250% FILM PRE-STRETCH

Often described as the "heart" of a stretch wrap system, the X-Stretch 250% pre-stretch film carriage is what sets apart Mach 1 expertise from the rest of the pack. The most powerful pre-stretch film carriage in the industry, the X-stretch is an advanced combination of technology and all-steel components that provides the best film feed control with smooth and consistent delivery. The system also features oversized bearings, chain/sprocket roller drive and precision machined pre-stretch rollers.



CONTROL PANEL

The ALLEN-BRADLEY controller (PLC) and touch screen are paired to provide the most intelligent and intuitive operator interface. All system functions can be calibrated on the touch screen and critical parameters are password protected. Every AC motor, including conveyor motors, has a dedicated ALLEN-BRADLEY drive for a smoother operation and more flexible settings.

TECHNICAL SPECIFICATIONS - DYNAMIC LINE RTX / RT / TTX

LOAD SPECIFICATIONS	RTX	RT	TTX
› Maximum Load Size	48" x 48" Standard, Larger Optional	48" x 48" Standard, Larger Optional	48" x 48" Standard, Larger Optional
› Maximum Load Height	84" Standard, Up to 110" Optional	84" Standard, Up to 110" Optional	84" Standard, Up to 110" Optional
› Maximum Load Weight	5,000 lbs Standard, 6,000 lbs Optional	5,000 lbs Standard, 6,000 lbs Optional	5,000 lbs Standard, 6,000 lbs Optional
› Production Capacity	Up to 80 loads per hour	Up to 45 loads per hour	Up to 45 loads per hour

FILM PRE-STRETCH FEATURES	RTX	RT	TTX
› Power 250% film Pre-Stretch	Standard	Standard	Standard
› Film Capacity	20" Standard, 30" Optional	20" Standard, 30" Optional	20" Standard, 30" Optional
› No Contact Film Tension Sensor	Standard	Standard	Standard
› Corner Compensation	Automatic, X-Stretch system	Automatic, X-Stretch system	Automatic, X-Stretch system
› Easy Thread Film Threading	Standard	Standard	Standard

MACHINE FEATURES	RTX	RT	TTX
› Arm / Turntable speed	Up to 30	Up to 24	Up to 16
› Arm Brake	Standard	Optional	N/A
› Arm Support	24" Ring Gear	14" Ring Gear	N/A
› Turntable Home Position Lock	N/A	N/A	Standard
› Film Carriage Drive	Dual Chain	Single Chain	Single Chain
› Short Load Capable	Standard (12" min.)	Standard (12" min.)	Standard (12" min.)
› Hot Plate Film Cutter	Standard	Standard	Standard
› Standard Voltage	240 VAC / 3 ph / 60 Hz	240 VAC / 3 ph / 60 Hz	240 VAC / 3 ph / 60 Hz
› Standard Air	4 CFM @ 80 PSI	4 CFM @ 80 PSI	4 CFM @ 80 PSI

CONVEYOR FEATURES	RTX	RT	TTX
› Roller Spacing	3.5" Standard, 2.75" Optional	3.5" Standard, 2.75" Optional	3.5" Standard, 2.75" Optional
› Roller Bearing Type	Ball Bearing with Cast Iron Bolt-on Flange	Ball Bearing with Cast Iron Bolt-on Flange	Ball Bearing with Cast Iron Bolt-on Flange
› Between Frame width (BFR)	52"	52"	52"
› Top Of Roller Height	18" Standard, Other Optional	18" Standard, Other Optional	18" Standard, Other Optional
› Conveyor speed	Adjustable 20 to 60 FPM	Adjustable 20 to 60 FPM	Adjustable 20 to 60 FPM

CONTROL FEATURES	RTX	RT	TTX
› Micro controller	Allen Bradley MicroLogix	Allen Bradley MicroLogix	Allen Bradley MicroLogix
› Touch Screen interface	Allen Bradley PanelView 600 plus	Allen Bradley PanelView 600 plus	Allen Bradley PanelView 600 plus
› Motor Control	Allen Bradley PowerFlex	Allen Bradley PowerFlex	Allen Bradley PowerFlex
› Control Panel Cabinet	NEMA12	NEMA12	NEMA12
› System modes	Manual, Automatic, Automatic Pass Through	Manual, Automatic, Automatic Pass Through	Manual, Automatic, Automatic Pass Through
› Film force control	Adjustable, Automatic Tension Release at Beginning And End of Cycle	Adjustable, Automatic Tension Release at Beginning And End of Cycle	Adjustable, Automatic Tension Release at Beginning And End of Cycle
› Independent Top/Bottom Wrap Count	Standard	Standard	Standard
› Independent Film Up/Down Speed	Standard	Standard	Standard
› Manual Wrapper Controls	Standard	Standard	Standard
› Manual Conveyor Forward/Reverse Jog	Standard	Standard	Standard
› Conveyor Speed Adjustable	Standard	Standard	Standard

GALAXY - automatic orbital system



The Galaxy highly advanced orbital automatic stretch wrap systems are custom built for your specific application with endless possibilities. Unique technological solutions allow unmatched high speed wrapping of various size loads. Each project is independently evaluated and quoted to surpass your expectations.

MAIN FEATURES

- ✓ Touch screen HMI with custom range of wrap pattern settings
- ✓ Fully automatic film clamp and cutting
- ✓ Uses standard 20" machine stretch film.
- ✓ X-Stretch film dispenser with pre-stretch up to 250%
- ✓ Available load side guides and hold down
- ✓ Load size range up to 60" wide x 60" high

RING FEATURES

- ✓ Ring diameter range : 24" to 90" I/D
- ✓ Ring speed adjustable up to 80 RPM
- ✓ Solid steel ring with severe duty no maintenance support casters
- ✓ Chain driven ring allows ultra quick acceleration and braking for greater throughput

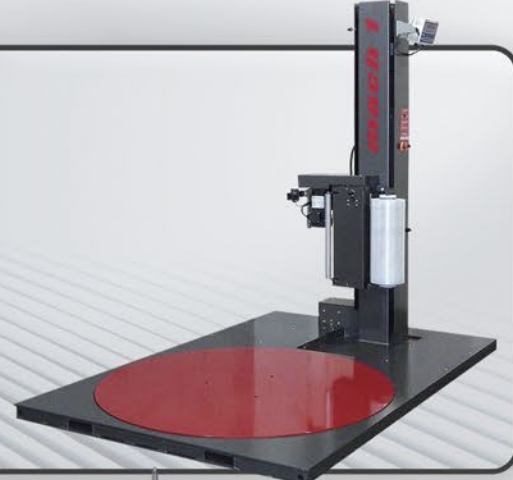
CONVEYOR OPTIONS

- ✓ Fully automatic load detection and sequencing
- ✓ All frame components are heavy duty structural steel
- ✓ Custom made conveyors for loads up to 5,000 lbs
- ✓ Endless conveyor configurations including wrap zone motorized bridge
- ✓ Variable conveyor speeds

SPECIALTY EQUIPMENT

With Mach 1's stretch packaging experts you're in good hands when it comes to non standard pallet loads or special handling requirements. We will custom design and build the right wrapper for your specific application.

SONIC LPS SCALE



SONIC HPX SCALE



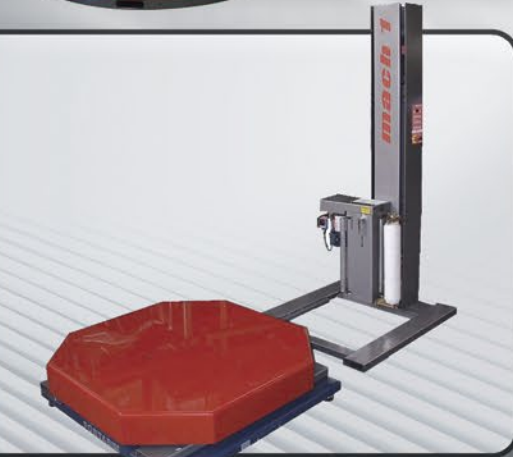
SONIC LPX TOP PLATEN



SONIC LPX WINDOW WRAPPER



SONIC HPX SPLIT BASE



SONIC LPX DUAL TURNTABLE



SONIC LPA PORTABLE AUTOMATIC



SONIC MAX



MACH 1, THE SENSIBLE CHOICE

BETTER UNITIZING

Our uniquely built X-Stretch pre-stretches film 250% before it's applied to your pallet load and increases the tensioning forces to a degree that can only be achieved by the film carriage technology!

CONSISTENT WRAPPING PATTERN

Mach 1's stretch wrap machines and systems feature a variety of programmable wrap parameters to apply exactly the amount of stretched film that your load requires.

OUT THE DOOR FASTER AND SAFER

Mach 1's comprehensive yet user friendly operator interfaces ensures your manufacturing or distributing process is done fast and well. We are one of the very few manufacturers that use steel only when fabricating covers and shields to protect from moving parts.

OPTIMIZE YOUR LABOR FORCE

Keep your operators alert and efficient to get the job done. Our line of stretch wrappers allows for multi-tasking that is far more valorizing for the operators. Grow your business without increasing labor costs.

SUSTAINABLE CHOICE

Because we value good sense, most semi-automatic machines and all fully automatic systems come equipped with our unique X-Stretch film carriage that stretches film to a standard ratio of 250% with minimal neck down. This sustainable approach greatly minimizes film usage resulting in reduced packaging expenses and a smaller carbon footprint.