

 Q
SERIES



Q

The next dimension

SERIES

Since the introduction of the first stretch wrapping system in 1972, Lantech has continued to pioneer new developments that have set the industry standard.

The Q-Series is a revolutionary new system that brings the benefits of automated stretchwrapping to a new level of affordability and performance, without compromise to reliability or application flexibility.

By choosing only the features and components necessary for your application, you receive a machine with high value and dependable performance at a competitive price.

Easy operation

- Minimal operator training required. Colour-coded functions on touch panel are easy to understand.
- Film wrapping counters apply film as operator selects, assuring optimum distribution of film.
- Variable speed roll carriage control lets you set the amount of film overlap for the best load containment.
- Solid-state microcontroller provides reliable operation, flexibility and the widest range of standard options.



Semi-Automated

Q-150 / 300

- Load/Unload with pallet truck or forkluck
- Operator attaches film and starts cycle (automated film cutting)
- Free-standing portable unit
- Economical replacement of hand wrapping operations
- Wraps 25-35 loads/hour
- 1500 / 1750 kg load capacity (standard)
- 200% film pre-stretch (standard)

Q-300 semi-automated turntable

- Requires forkluck/pallet truck loading and unloading, and operator attaches film to wrap loads.



Q-Series models to meet your application

No Scheduled Maintenance

"Easy-to-own" features include:

- Turntable bearings and drive reducers that are lubed and sealed for life.
- Roll carriage lift and turntable are belt-driven so there are no chains to service.



Maximum load support

The turntable is supported at 10 / 12 points by 30 / 36 sealed-for-life bearings. The bearings are in contact with a resilient 1.22m diameter urethane race under the turntable top offering these benefits:

- Can withstand high impact loading
- Less sensitive to uneven floors or off-centre loading
- No lubrication of bearings required
- Quiet operation
- No metal-to-metal wear
- Drive over capability

Efficient load handling

There is a Q-Series model to match your material handling needs - forkluck, pallet truck or conveyor.

- Q-Series automated models offer 14 load/unload choices, top sheet dispenser, top platen load stabiliser, (90° infeed/exit flow, load underwrap and a variety of conveyor configurations.
- Semi-automated models offer dual turntable, pit mounted design, scale ready turntable, auto film cut-off and top platen load stabiliser.

Ambassador

Fully-Automated

Q-1000 in line automation

Automation at an affordable price. The Three-Station Automatic is designed to lower your costs:

- Speed up production flow
- Integrate into existing conveyor system
- Replace multiple semi-automatic stretch wrappers at a lower operating cost
- Reduce labour requirements

Combined with our comprehensive list of standard features, and a wide variety of standard options, you can customise your automatic system without paying the "custom product" price.

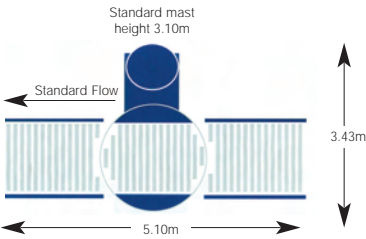
- Wraps 45 loads/hour
- 1750 kg load capacity (standard)
- 200% film stretch (standard)
- Fully automated for complete integration

Heavy duty conveyors

- Every roller chain-driven
- Powered transition rollers on turntable
- Guaranteed to handle rated capacity regardless of bottom pallet board direction
- Standard 1750 kg capacity

Q-1000 Automated conveyerised turntable with infeed or exit conveyors

- For complete system integration, this system automates loading, unloading and attaching and cutting of film.



Operator Involvement

Levels of throughput

	Load wrap zone	Attach film	Wrap load	Cut film	Wipe film	Unload wrap zone	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	Loads Per Shift
Hand wrap	Icon	Icon	Icon	Icon	Icon	Icon	Bar															15-30
Q-150 / 300 Semi-Automated Turntable*	Icon	Icon	No Icon	No Icon	No Icon	Icon	Bar															15-80
Q-300XT Automated Platform Turntable	Icon	No Icon	No Icon	No Icon	No Icon	Icon	Bar															15-250
Q-300XT - PLUS / Q-600 Automated Conveyerised Turntable	Icon	No Icon	No Icon	No Icon	No Icon	No Icon	Bar															80-320
Q-1000 In-line Automated Conveyerised Turntable	No Icon	No Icon	No Icon	No Icon	No Icon	No Icon	Bar															80-360

*Auto film cut-off™ system.

Performance Criteria	Q150	Q-300	Q-600	Q-1000
Production Speed based on:				
1.52m load height, 2 film layers and 10 revolutions		N/A	45 Loads / Hour	
2.03m load height, 2 film layers and 12 revolutions		25-35 Load / Hour	N/A	
Maximum Load Size (L x W x H) mm	1320 x 1320 x 2032		1371 x 1219 x 2336	
Minimum Load Size (L x W x H) mm	762 x 762 x 762		914 x 914 x 610	
Maximum Load Weight (Standard)	1500kg	1750 kg	1750 kg	

Film Delivery System

Power Roller-Stretch® Film Delivery System:				
200% stretch standard, 100%-300% stretch available		Standard		Standard
Film Compatibility: All commercial stretch films		Standard		Standard
Wrapping Force: Electronically controlled with reduced wrapping force at start		Standard		Standard
Film Capacity:				
254mm roll diameter, 508mm wide		Standard		Standard
Auto Film Cut-off™	Option	Standard		N/A
Reach® with impulsed hot wire cutter		N/A		Standard
E-Z Thread™ Roll Carriage		Standard		Standard
Roll Carriage Lift: Belt driven		1/5HP, TENV Motor (DC)		1/2HP, TEFC Motor (DC)

Load-Handling System

System Pass Height		N/A		457mm
Turntable Drive		3/4 HP TEFC Motor		1 HP TEFC Motor
Turntable Speed		1-12 RPM		1-12 RPM
Turntable Acceleration / Deceleration control for positive conveyor alignment		N/A		Standard
Turntable Size		1.65m Diameter		1.32m Eff. 2.06m Diameter
Turntable Construction		5mm Flat Plate	6.35mm Diamond Steel Plate	Chain Driven Every Roller Powered
Turntable Bearing Support		1.22m Diameter		1.22m Diameter
Turntable and Conveyor Roller Spacing		N/A		63.5mm Dia., 95.3mm Ctrs.
Powered Transition Rollers		N/A		Standard
Conveyor Effective Width		N/A		N/A 1.32m
Conveyor Type		N/A		N/A Chain Driven Every Roller Powered
Conveyor Speed		N/A		N/A 30 FPM
Conveyor Sections Standard		N/A		None (1) 1.52m infeed & (1) 1.52m Exit
Automatic Load Sequencing		N/A		Standard
Automatic Load Centering Logic		N/A		Standard
Lanyard Switch: Facilities forklift loading; operator controlled		N/A		Optional

Frame Construction

Base Fabrication: 4.8mm formed steel base		Standard		Standard
Upright Construction: Structural steel tubing with cross member reinforcement		Standard		Standard
Shielding Panels:		Steel	High impact ABS (Acetyl Butylene Styrene)	High impact ABS (Acetyl Butylene Styrene)

Electrical Data

Voltage		230V, 16 Amp		230V, 30 Amp
Microcontroller		Standard		Standard
UL/NEMA 12-enclosure with disconnect and safety lock-out		N/A		Standard
UL/NEMA 12-enclosure only		Optional		N/A

Pneumatic Data

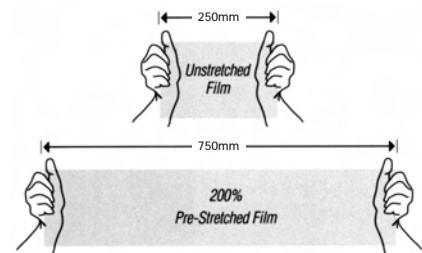
3-5 CFM @ 80 psi clean, dry air		N/A		Standard
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Built Tough Warranty

3 Years, Unlimited Cycles		Standard		Standard
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Lowest cost to wrap your loads

- The Lantech System will pre-stretch any commercial film at a range of 40% to 300%.
- 200% pre-stretch standard on most models
- Roller-Stretch® and Power Roller-Stretch® Film Delivery Systems give you the ultimate stretch wrapping advantage, and the lowest cost to protect your loads.
- The best load containment results, load after load.



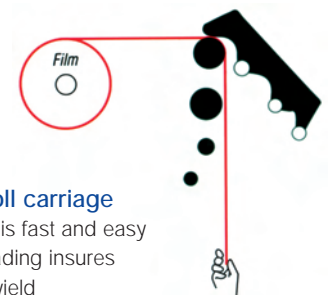
Stability and protection for demanding applications

- Seamless structural steel tubing with cross member reinforcement giving the highest performance and trouble free operation.
- Handles loads up to 1750 kg as standard
- Not sensitive to uneven floors or off-centre loading



3 year, no exceptions warranty

- Three-Year "Build Tough" Warranty
- Unlimited cycles
- All components
- Best in the industry



E-Z thread roll carriage

- Film loading is fast and easy
- Correct threading insures highest film yield
- Designed for operator safety