

Term	Definition
Alignment Bars	A component that aligns the top frame and legs on the Ring Straddle. The bars make sure that the dimensions are the same at the top and the bottom. The bars give the elevator consistent travel when it moves up and down.
Amplifier Board	An electronic component that increases the strength of the current, voltage signal.
Angled Roller	A Pallet Grip [®] component that moves the cable of film down and aligns the edge of the film on the groove roller. The groove roller makes the cable of film.
Auto Film Cut-off™ (AFC)	The trade name for an assembly that automatically cuts the film at the end of the wrap cycle. This can decrease the labor by 30 seconds per load. AFC lets the operator complete other tasks and come back to a wrapped load.
Auto Throttle	An adjustable component that automatically controls the range of output of the hydraulic transmission based on the film demand.
Automation Unit	The assembly between the wrap zone conveyor and the FDS when all components are at the home position. It holds the beginning film tail, cuts the film and wipes it to the load. It eliminates the film tail at the end of the cycle.
Banding	Banding refers to the layers of film that the FDS applies to a set section of the load.
Belt Tensioner	A component used to apply and adjust the tension to a belt.
Blank	An unfolded case, lid, partition, tray.
Bottom Wrap	The layers of film that the Film Delivery System applies to the bottom of the load.
Bypass	A load moves through the wrap cycle but does not wrap.
Calibrate	To set, adjust the precision of a component, group of components for consistent and accurate results.
Case	A box.
Case Erector	A machine that opens a blank (an unfolded case). It folds and closes the bottom flaps and seals the bottom to form a case.
Case Sealer	A machine that seals the top and the bottom of the case.
Changeover	The process to change a line or machine to a different product.
Click-n-Go [®]	The trade name for a remote control option that starts the wrap cycle. It lets the operator start the cycle from the forklift or other location.
Close-Spaced Conveyor	The rollers have a dimension of 63.5 mm (2 1/2") and spacing of 76 mm (3") from center to center.
Cold Package	An option for a semi-automatic machine to operate in temperatures from -1° C to -18° C (+31° F to 0° F).

	The option is available for some automatic machines to operate in temperatures that are -1° C to -12° C (+31° F to 10° F)
Compression Plate	A plate that aligns with the dimensions of the case to close the outer flaps over the inner flaps. The glue is on the outer flaps so the compression plates help to seal the bottom of the case.
Configuration Mode	The logic specifications for the setup of the machine.
Containment Force	The cumulative force on the load from the layers of film, measured at any point. It is the best indicator for load shipment success.
Counterweight	A weight that gives balance against something of equal weight.
Cut and Clamp	The assembly that clamps and cuts the film at the end of the wrap cycle.
Cutter Wire	A component of the Cut and Wipe or Top Sheet Dispenser that energizes to raise the temperature. The heat in the wire cuts the film.
Cycle Pause	This control pauses the wrap cycle then continues with no requirement to reset the machine. This lets the operator apply labels, stacking instructions to the load.
Dual Turntable	An option that adds a second turntable to a Q Semi-Automatic machine. This lets the operator put a new load on one turntable while the load on the other turntable wraps.
Effective Width	The usable surface of a conveyor.
Emergency Stop	A button that safely stops the machine in an emergency condition.
EZ Film Clamp	An option for Semi-Automatic Turntable machines. The clamp holds the film at the beginning of the wrap cycle. It releases the film when it is “overwrapped” with film
EZ Thread	An option that is standard on most Film Delivery Systems. It includes a gate that makes it easy to thread the film.
EZ Weigh™ Integrated Scale	A scale that is built into the turntable of the Q Semi-Automatic. It lets the operator wrap and weigh the load at the same time. The scale is low profile and uses the same footprint as the standard Q Semi-Automatic Stretch Wrap Machine.
Film	Stretchable plastic that wraps around the load to contain the load for shipment.
Film Assist	The function to release the film for a set period of time. This lets the operator pull the film and attach it to the load before it moves through the wrap cycle.
Film Break Recovery	To start or continue the wrap cycle after a film break.
Film Delivery System	The assembly that pre-stretches the film and generates wrap force before it applies the film to the load. The FDS can apply Netting as an alternative to the film.

Film Dispenser	An assembly on the Top Sheet Dispenser that applies the film to the top of the load. (It is similar to the Film Delivery System).
Film Hoist	An option that helps the operator put the film roll onto the film post.
Film Plow	The assembly that pushes the film into the film clamp.
Film Roll	A roll of stretch film. The standard film roll is 25 cm (10") Diameter and 51 cm (20") Length.
Film Sealer	An assembly that seals the film tail to the load.
Film Tail	The loose end of the film on the load at the start and the end of the wrap cycle.
Flapfolder	The component that folds the Inner flaps on the bottom of the blank to form the case.
Forklift Bumper	This is a guide or stop that attaches to the turntable, frame, conveyor, floor. It helps the forklift operator put the load in the correct position.
Freezer Environment	An option for semi-automatic machines to operate in an environment in which the temperatures can be -29° C (-20° F).
G Force Plus Film Delivery System	A Film Delivery System on our G Series™ machines that uses an electric brake to control the tension on the film.
Glue Gun	A component of the hotmelt unit that applies the glue to the case, lid, tray.
Groove Roller	A Pallet Grip® component that makes the cable of film.
Handwheel	A component on Case Equipment to adjust the settings to open, form and seal the cases, lids, trays correctly. Use the handwheels to adjust the settings to align with the dimensions of the case.
Heat Sealer	An assembly that uses heated air to attach the film tail to the load at the end of the wrap cycle.
Heater Element	A component that changes electricity to heat.
Hotmelt	A fast drying non-volatile adhesive (glue) that is applied in the molten state. The glue is applied to the flaps on blanks to seal the case, lid, tray.
Hotmelt Unit	The assembly that applies the glue to the case, lid, tray to seal it.
In-Line	A system that is set in a straight line from beginning to end.
In-line Top Sheet Dispenser	An assembly that straddles the infeed conveyor. It applies a sheet of film to the top of the load as it moves into the wrap zone. The FDS wraps the sheet of film and gives coverage to 5 sides of the load.
Inboard Load	A load is inboard when the dimensions (length or width) of the load are less than the dimensions of the pallet.
Infeed	The assembly that moves the load into the wrap zone.
Initialize	This sets the safety circuits and puts all components in the start position.

Inner Flapfolder	A component that folds the inner flaps of an opened case.
Intelli-sensor	The trade name for a photoelectric sensor that sees a variety of colors and surface variations on a load.
Intrusion Photoelectric Sensor	A signal (send and receive sensors) that gives protection to an area - gate, fence, wrap zone. The sensors are set in sequence to let the loads move through the system. If the signal is broken outside of the standard wrap sequence, it stops the machine. The machine does not start until the signal is clear.
Jaw Clamp	The clamp on the Q Automatic machine. The film wraps the clamp to eliminate the beginning film tail.
Jog	To move a machine component with manual functions, controls. Examples are to "Jog" the wrap arm, turntable.
Lan-Logix	A built-in interface with pre-programmed options. Lan-Logix lets the operator make some changes to the sequence of operation without a laptop. The pre-programmed options include the Multiple Wrap Patterns, Wrap Pattern Control, Password Protection, and Performance Data.
Lanringer	The trade name for the Automatic horizontal machine that applies the film as the load moves horizontally through a rotating ring.
lb-ft	A unit of torque. The twisting force to move 1 pound a distance of 1 foot around an axis. The metric unit of measure is Newton meter (N-m).
lb-in	A unit of torque. The twisting force to move 1 pound a distance of 1 inch around an axis. It is 1/12 of a foot pound (lb-ft). The metric unit of measure is Newton meter (N-m).
LeanWrap [®] Technology	The trade name for machines with a series of productivity and load quality enhancing options. Examples are the Metered Film Delivery [®] , Load Seeking Clamp 4.0, Pallet Grip [®] , and Containment Force Tool (CFT-5).
Lid	A formed blank. It becomes a removable cover for the opening of a case, tray.
Lid Applicator	A machine that folds the flaps on a blank to form a lid and attaches the lid to a tray.
Load Cell	A transducer that changes the force or pressure into a measurable electrical output. A transducer is a device that changes the power from one system into a different form for a different system.
Load Guardian	A machine control system that eliminates the need for an operator to understand the complex interaction of wrap setup parameters. The operator answers simple questions about the load. The machine sets the wrap parameters to produce a "safe to ship" wrap profile.
Load Height Sensor	A sensor that sees the top of the load and stops the Film Delivery System to apply the top wraps.

Load-on-Turntable (Q300XT Plus)	The trade name for a Q Series [®] semi-automatic machine. It wraps the load and moves it to the exit conveyors.
Load Seeking Clamp [®] 4.0	The trade name for an automation unit that includes a bladder clamp. The bladder clamp holds the film and turns the clamp head at the side of the load. It eliminates the beginning film tail and can apply a higher wrap force at the pallet.
Load Seeking Clamp [®]	The trade name for a vacuum clamp that pivots and holds the beginning film tail on the load. The clamp holds the film against the load to increase the containment force.
Lockout/Tagout	Safety procedures that align with OSHA requirements and give protection to personnel. The procedures make sure that the power is off and not started up again before the completion of maintenance, service work.
Loop Partition Inserter	A machine that puts the partition into the case. The partition increases the strength of the walls of the case.
Magazine	An assembly on Case machines that holds the supply of blanks.
Maintenance Lock Position	Lockable stop positions for the elevator on a Ring Straddle.
Mandrel	The spindle that holds the film roll on a Lanringer.
Mast	The upright section of some machines that holds the Film Delivery System and the control panel.
Mast Extension (Extended Height)	The option that lets the customer increase the height of the load.
Metered Film Delivery [®]	The trade name for a Film Delivery System that overcomes many of the limitations of conventional “demand based” systems. Metered Film Delivery [®] systems can apply more containment force with less film than conventional systems and not “distort or crush” the load. The Metered Film Delivery [®] system also decreases the number of film breaks.
Microcontroller	A microprocessor that controls some functions of an electronic device, system.
Mid-wrap Top Sheet Dispenser	This assembly applies a sheet to the top of the load after a minimum of 1 layer of film. The additional layers of film then wrap the top sheet. The results are a moisture resistant load and coverage to 5 sides of the load.
Modular Electric Top Platen	An assembly that gives stability to tall, lightweight, or unstable loads during the wrap cycle. The METP lowers onto the load to hold the load, top sheet or cap in position during the wrap cycle. It lifts from the load before the load moves from the wrap zone.
Motor Control Board	This is a board that controls 1 or more motors.
Newton meter	Newton meter is the metric for foot pounds and inch pounds. It is a unit of torque (tendency of a force to cause rotation). 1 N-m is equal to 0.74 lb-ft.

Nichrome wire	<p>A brand name for a nickel-based alloy that contains chromium and iron. It has a high electrical resistance and stability at high temperatures.</p> <p>The wire is in the Automation Unit in the Cut & Wipe assembly, Top Sheet Dispensers and Mid-wrap Top Sheet Dispensers. The temperature of the wire increases and cuts the film.</p>
Nozzle	A short tube on the end of a hose, pipe to control the flow of a liquid, gas. The nozzle on the glue gun on case equipment releases the glue.
One-way Wrap	An option that applies 1 layer of film to the load and wraps in only 1 direction.
Outboard Load	A load is outboard when the dimensions (length or width) of the load are more than the dimensions of the pallet.
Outer Flapfolder	A component that folds the outer flaps of an opened case.
Outrigger	A structure that extends from a main structure to add stability, support. On the S Series™ machines, the outriggers attach to the base of the leg.
Overlap	The area in which a layer of film wraps the previous layer.
Oversize	More than the standard dimensions. An example is an Oversize Turntable for larger loads.
Overwrap	The quantity of film that extends above the load during the wrap cycle.
Pallet	A flat transport structure that gives support to the load. It lets the operator use a forklift, pallet jack to move the load.
Pallet Grip [®]	The trade name for a "Lock Your Load to the Pallet" system. It makes a cable of film that attaches and locks the load to the pallet.
Pallet Shield Dispenser	An option that puts a sheet of corrugated material around the bottom of the load before the wrap cycle. The film wraps around the corrugated material and holds it in position during the wrap cycle.
Partition	A blank that opens to make a partition. The partition increases the strength of the walls of the case.
Pass Height	This is the top height of the roller on a conveyor. It is the distance from the floor to the top of the rollers.
Payout Percentage	The payout is the length of film that the Film Delivery System applies. Use the percentage of the girth of the load to calculate the payout.
Personal Protective Equipment	PPE refers to protective clothing, goggles, other garments or equipment. It gives protection to personnel from injury, infection.
Photoelectric Sensor	A component that senses the distance, absence, or presence of an object. The sensor uses a light transmitter and a photoelectric receiver.
Pivoting Roller	A Pallet Grip [®] component that moves the cable of film down onto the pallet during the wrap cycle.
Plumbers Putty	A pliable substance that makes watertight seals. Use this material to install the legs for the S Series™ machines.

Porch	A fabrication that connects the ramp to the turntable on G Series™ and Q Series® semi-automatic machines.
Power Roller Stretch	A Film Delivery System that has pre-stretch available from 100% - 300%.
Power Roller Stretch Plus	A quick reacting Film Delivery System that senses the changes in the film tension as the film is applied to the load. It includes the force readout in pounds on the HMI and a faster response time for a higher film demand.
Power-thru Conveyor	The Power-thru moves the load through the wrap zone of a Lanringer. The load stays stable because the conveyor and the load wrap together.
Pre-stretch	A procedure that extends the length of the film before the Film Delivery System applies it to the load.
Proximity Sensor	A component that senses objects in the range of the sensor without physical contact. The sensors change information on the movement or presence of an object into an electrical signal.
Qualified Personnel	Personnel who completes the training and receives certification to start-up, change, adjust, repair the machine.
Ramp	An incline that helps the operator move the load onto the turntable with a forklift, pallet jack.
Reduced Tension	The decreased tension on the film at the start of the wrap cycle.
Retrofit	To install components that were not available, necessary at the time of manufacture to equipment in service.
Reverse Flow	The load moves into the wrap zone from the 9 o'clock position and exits at 3 o'clock. The mast is at 12 o'clock.
Ring Straddle	The trade name for a high speed stretch wrap machine that includes our LeanWrap® Technology.
Roper - Dual Action	An option that changes the bottom of the film into a rope to hold the load to the pallet. It also lets the operator apply the rope in different positions on the load for additional containment, during the wrap cycle
S Series™	The S Series™ includes machines that are semi-automatic, automatic and LeanWrap®. They are “straddle” machines for light, heavy, tall and unstable loads.
S-300 Machine	The trade name for a Semi-Automatic Straddle Machine. It is for loads that are very light, very heavy, unstable.
Saddle	An assembly at the top of an S machine that holds the wrap arm.
Sealing Section	The area of case equipment in which the case, lid, tray seals with tape, glue.
Seismic protection package	An option that changes the standard anchors, epoxy and structure to align with the seismic provisions of the IBC (International Building Code).
Setting	Adjustable timers and counters that control the operation of the machine.

Shipping Weight	The total weight of the machine, the pallet and material.
Shrink Tunnel	A “conveyorized heated chamber” that transfers heat to the film to shrink it. Packages that move into the tunnel have the film loosely around them. The heat shrinks the film to fit around the package.
Skid	A low mobile platform on which a load is set. This makes it easy to handle, move the load.
Slip Sheet	The material (film, cardboard, etc.) that the sheet placer applies to the bottom of the load.
Stabilizer	An assembly that gives support to the top, bottom or sides of the load during the wrap cycle. The wrap cycle can include the infeed and exit. This option usually applies to a Lanringer.
Standard-Spaced Conveyor	The rollers have a dimension of 63.5 mm (2 1/2") and spacing of 19 mm (3/4") from center to center.
Start-up	To set the machine in operation.
Static Dissipation Brush	An option that moves the static buildup on the film through the FDS to the ground.
Static Electricity	An electrical charge that collects on an object and does not flow through it as a current. The film can cause the buildup of static electricity.
Suction Cup	A rubber, “cup shaped” component that produces partial vacuum. The suction cup on case equipment holds the blank.
Swing Away Roper	A roper for loads that have a requirement for ventilation. The roper lets the operator manually adjust the width of the film from the full width to 51 mm (2"). The operator can disengage the roper if the current load does not have a requirement for the rope.
Tape head	The component that applies the tape to a case.
Tensioner	A component to adjust the tension. This usually applies to a belt or chain.
Throughput	The number of loads that move through the wrap cycle.
TH-Series tape head	The trade name for the Lantech tape head.
Tight-Spaced Conveyor	The rollers have a dimension of 63.5 mm (2 1/2") and spacing of 70 mm (2 3/4") from center to center.
Tilting Roller	A Pallet Grip [®] component that moves the film lower on the pallet. The roller attaches to the gate.
Top Platen	This is an assembly that stabilizes tall, lightweight or unstable loads during the wrap cycle. The top platen lowers onto the load at the start of the cycle and raises off the load at the end.
Top Sheet	A wrap mode that lets the operator put a sheet of film on the top of the load. The FDS applies the top wraps, to overwrap the top sheet, and completes the wrap cycle.

Top Wrap	The layers of film that the Film Delivery System applies to the top of the load.
Torque	A force that produces the rotation or torsion.
Tray	A formed blank that holds the product.
Tray Erector	A machine that folds a blank into a tray.
Turntable	The platform that turns the load while the Film Delivery System applies the film. The turntable is on all G Series™ and Q Series® machines.
Turntable Rotation Drive	The component that turns the turntable.
Turntable Skirt	The guard around the perimeter of the turntable on the G Series™ and Q Semi-Automatic machines.
Turntable Top	This is a circular plate that holds the load and turns during the wrap cycle.
Ultrasonic Sensor	A component that uses sound waves to sense an object.
Upper Separator	The component that holds and separates the blanks in the magazine.
Variable Frequency Drive	An adjustable speed drive that changes the motor input frequency and voltage to control the motor speed and torque.
Washdown	This is an option for machines that are in an environment subjected to liquid spills. Washdown is the process to use water or chemicals to clean with high-pressure.
Wipe Arm	An assembly that has flexible flaps and wipes the film to the load at the end of the wrap cycle.
Wipe Down Loops	The flexible flaps of the wipe arm that eliminates the film tails.
Wrap	The step to apply the film to the load to contain the load during shipment.
Wrap Arm	The assembly on the S Series™ machines that holds the Film Delivery System. The wrap arm moves around the load and the FDS applies the film to the load.
Wrap Arm Bumper	A bumper that engages the safety switch that stops the machine.
Wrap Assist	This option decreases the turntable speed and the film tension. It makes it easy to "rope" the film and apply cornerboards, top sheets, labels.
Wrap Count	The preset number of wraps of film that the FDS applies to the load during the wrap cycle.
Wrap Cycle	The sequence of steps to wrap a load.
Wrap Force	An adjustable setting that controls the tension, pressure applied to the load during the wrap cycle.
Wrap Height	The maximum load height that a machine can wrap.
Wrap Module	The assembly on a Lanringer that includes the ring bearing, drum, rotation drive and the Film Delivery System.

Wrap Pattern	A group of settings to make a repeatable sequence of operations for a specific load type.
Wrap Profile	A group of settings to make a repeatable sequence of operations for a specific load type.
Wrap Zone	The area of the machine where the Film Delivery System applies the film to wrap the load.
XT Cut and Clamp [®]	An assembly that catches the film at the end of the wrap cycle, cuts the film. It holds the film in position for the next cycle. This lets the operator stay on the forklift during the cycle, which decreases labor by 2 minutes per load. The Q Semi-Automatic and S Semi-Automatic machines are available with the XT Cut and Clamp [®] .
XT Plus	A semi-automatic machine that wraps a load and moves it out of the wrap zone. This system lets the operator put a load on the turntable and pickup a wrapped load.
XT Plus Load-on-Conveyor	This semi-automatic machine lets the operator put the load on the infeed conveyor and it moves to the wrap zone.
XT Plus Load-on-Turntable	This semi-automatic machine wraps the load and moves it to the exit conveyor. The addition of conveyors for the standard Load-on-Turntable (LOT) can increase the capacity to 4 pallets.