



# LENDERINK TECHNOLOGIES

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We Provide  
**SOLUTIONS**

Can Build  
To Suit

## Nip Roll Laminator "Heated"



Many New and Used  
in Showroom

Top of the line laminating equipment that laminates and mounts thermal or pressure sensitive film and features pneumatic clutch/brake assembly. This feature allows precise and repeatable film tension control as well as bi-directional unwind/rewind capabilities. 0-30 fpm operating speeds, 6 emergency stop function switches and light emitter nip protection systems, heavy-duty cantilevered unwind stations and 8.0" dia. pneumatic actuated heated nip roll assembly. Extremely high pressure available.

## Many Add-On Options To Fit Your Needs

### SPECIFICATIONS:

- Overall Width: 86.75" for 62" Lamination
- Maximum Height: 58"
- Maximum Depth: 42.5" (53.08" including tables)
- Maximum Mounting Thickness: 2.38"
- Maximum Roller Temperatures: 500° F
- Maximum Material Capacity-Top Roll: 10.0" Diameter
- Optional Durometers
- Optional Slitters
- Weight: 2600 lbs.
- Control Voltage: 220VAC/50-60Hz/1 Phase/60 amp.
- Maximum Laminating Speed: 20 FPM standard  
30 FPM with optional speed upgrade

\*Larger Available



## Cantilevered Swing Out Supply Shafts

The laminator is equipped with 5 cantilevered swing out supply shafts. The four primary supply shafts can be used as an unwind station or a rewind station. This allows the laminator to offer the largest roll diameters and roll weights in the wide format graphics industry! It is a production workhorse!



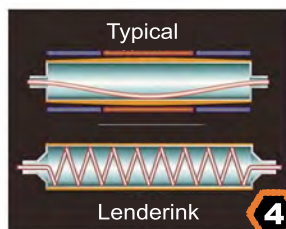
## Control Panels

This is a truly bi-directional laminator with full access to the controls you need from both the front and the rear of the laminator. The laminator has pneumatic gauges that allows an operator to establish repeatable tension levels on all supply shafts. Emergency stop switches are located at every corner of the laminator. A digital speed read out is available as an option.



## Dual Filtered Air Cooling

A unique air cooling system supplies filtered air to thermal laminates cooling them while under constant tension producing very flat encapsulated prints. The cool filtered air is drawn in from the back side of the laminator via an impeller and fed thru a plenum to a directional cooling tube that blows cool air on the laminated print as it exits the hot nip rolls.



**Heated Roller Construction** Proprietary electrically heated roller technology offers the most efficient heating system available to the wide format print finishing industry. A coiled heater assembly that maintains direct contact with the inside wall of the roll allows for a faster thermal recovery rate during long production runs as well as a very uniform temperature profile for thermally activated materials. Roll temperatures are monitored with an embedded temperature sensor. This sensing technique insures accurate temperature readings for thermal applications. It also protects against over temperature conditions that can damage the roll coverings and cause delamination of silicone covered roll assemblies. This superior heating technology does not require the rollers to be turning while they are heating up or while they are at their working temperature. This eliminates the need to unweb the laminator between jobs saving valuable lamination film. The silicone coated, heavy duty steel roller construction without a crown guarantees a 100% flat profile. High temperature, non-stick plasma coated available.



## Nip Rollers

This legendary nip roller design consists of heavy duty steel core construction in every model. This heavy duty construction allows roller assemblies with straight, "Non Crowned" roll coverings. Straight rolls offer uniform pressure across the working area at any pressure setting. This even pressure will help eliminate a big problem in processing your material through the nip roll assembly. All nip roll assemblies are pneumatically controlled for ease of operation in establishing specific and repeatable pressure control. The

pneumatically controlled nip assemblies open automatically during a safety "E" stop condition and are protected by a light emitter and receiver system.

## Additional Nip Roller Options:

- A variety of roller covering types as well as roll covering harnesses' to address specific processing needs that your application may require.
- Special roller coverings such as polished chrome plating, plasma coatings as well as Teflon coverings.
- A variety of durometer hardness are available, ranging from 50 to 90 durometer shore A hardness. These roller coverings are also concentrically ground to ensure a wide consistent compression footprint that produces quality laminate output.



# Laminator Add-On Options



## Air Shafts

Air shafts are for increased thru put and uptime. The air shaft OD is slightly less than the ID of the core of laminating film that you want to load. Once the core is in its proper location on the air shaft, an inflation tool injects air into a bladder inside the air shaft where by expanding either lugs or leaves to grab the core of material.



## Static Elimination

Static build up from rolls of laminating film creates a hazard for operators. We can add an optional pulsed DC static elimination bar designed to give highly effective long range ionization up to distances of 600mm. It is shockless, easy to maintain and extends lamination runs without static build up.



## Rotary Trimmers

Available in manual and pneumatic. Rotary Blade Trimmers are used to remove extra laminate from the side of web or to split web in the web direction. The blade holder can be positioned laterally with the use of an allen wrench. The loading of the blade against the hardened anvil roller is set using an allen wrench and the adjustment knobs on the holder. Edge trimmings would need to be manually rewound and discarded.



## Unwind Slitting

Used to convert a wide roll of film on the unwind shaft to a smaller width web while laminating. The unused material remains on the roll core while the laminating material is introduced into the laminating process. The blade holder is a proprietary design that allows the device to be used with very aggressive pressure sensitive adhesives. Coated blades are available.



## Large Diameter Core Adaptors

When you need to use a 6" core of material on your laminator, optional pneumatic core adaptors offer a good economical solution to the problem. These light weight chucks offer great gripping force as well as ease of insertion and removal.



## Curl Cam

Most laminators are unable to process certain film combinations without up or down curl. With the Curl Cam you can run any film combinations you want. Stop trying to fight your print curl issues and stop wasting 5,10,15 feet of film just to get the film to lay flat. START forming your film to the flat state your customer expects. The Curl Cam has a unique 360 degree rotation so you can make the changes you need without un-webbing your film!