

## Laminator Add-On Options

**Air Shafts** – Every AGL 6400 is available with optional air shafts for increased thru put and uptime in the lamination process.



The outside diameter of an air shaft is slightly less than the inside diameter of the core of laminating film that you want to load into the laminator. Once the core of material 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.

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**Large Diameter Core Adaptors** – When you need to use a 6 inch core of material on your laminator, AGL's 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. So stop trying to fight your print curl issues by using



excessive brake tension that can cause post de-lamination. Stop running out (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. Got up curl? Simply rotate the curl cam and its gone! The Curl Cam has a unique 360 degree rotation so you can make the changes you need without un-webbing your film!

**Static Elimination** – When static build up from rolls of laminating film creates a hazard for operators; AGL has the solution. The AGL 6400 can be designed to add an optional pulsed DC static elimination bar designed to provide highly

effective long range ionization up to distances of 600mm. It is shockless and easy to maintain. This allows for extended lamination runs without the possibility of static electricity build up.

**Rotary Trimmers** - Available in manual as well as pneumatic versions. These devices are used to remove extra laminate from the side of web or to split web in the web direction. Uses a rotary blade against a hardened anvil roller to create crush cutting action. The blade holder can be positioned laterally with the use

of an allen wrench. The loading of the blade against the 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 after trimming.



**Unwind Slitting** – is 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 even with very aggressive pressure sensitive adhesives. Coated blades are available for longer life and more accurate slitting processes.

# AGL 6400/8000

## Model Laminators



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# AGL 6400/8000 Laminators

## Cantilevered Swing Out

**Supply Shafts** – Every AGL 6400 is equipped with five Cantilevered swing out supply shafts. The four primary supply shafts can be used as an unwind station or a rewind station. This allows the AGL 6400 to offer the largest roll diameters and roll weights in the wide format graphics industry! It is a production work horse!



## 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.



**Control Panels** – The AGL 6400 is a truly bi-directional laminator with full access to the controls you need from both the front and the rear of the laminator. Every 6400 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.



AGL 6400 Laminates and mounts a 62.0" wide maximum thermal or pressure sensitive film and features pneumatically actuated nip roller and pull roll assemblies. Main supply rolls are equipped with a pneumatic clutch/brake assembly. This feature allows precise and repeatable film tension control as well as bi-directional unwind/rewind capabilities.

0-20 fpm operating speeds, six emergency stop function switches and light emitter nip protection systems, 12.5" diameter capacity heavy-duty cantilevered unwind stations and 8.0" diameter pneumatically actuated nip roller assembly.



### Specifications:

- Overall Width: 86.75"
- Maximum Height: 58"
- Maximum Depth: 42.5" (53.08" including tables)
- Maximum Mounting Thickness: 2.38"
- Maximum Roller Temperatures: 320° F, standard
- Maximum Material Capacity-Top Roll: 10.0" Diameter
- Maximum Material Capacity-Center Roll: 8.0" Diameter
- Maximum Material Capacity-Lower Roll: 10.0" Diameter
- Weight: 2600 lbs.
- Control Voltage: 220VAC/50-60Hz/1 Phase/60 amp.
- Maximum Laminating Speed: 20 FPM standard 30 FPM with optional speed upgrade



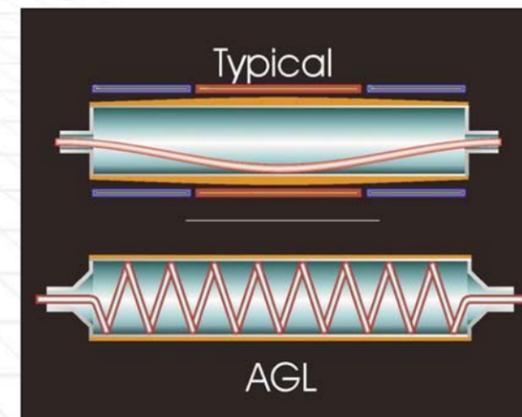
**Nip Rollers:** AGL's legendary nip roller design consists of heavy duty steel core construction in every model. This heavy duty construction allows AGL to manufacture their roller assemblies with straight, "Non Crowned" roll coverings. Crowned roller construction is used to compensate for nip roll deflection or bending of the rolls during lamination and not to smooth out your film as some manufacturers claim. Crowned rolls must be run at one specific pressure setting to get even pressure across the working area of the roll.



AGL's 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. AGL also offers a variety of roller covering types as well as roll covering harnesses' to address specific processing needs that your application may require. AGL also offers special roller coverings such as polished chrome plating, plasma coatings as well as Teflon coverings. All of AGL's 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. A variety of durometer hardness are available, ranging from 50 durometer 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.

**AGL's Heated Roller Construction** - AGL's proprietary electrically heated roller technology offers the most efficient heating system available to the wide format print finishing industry. AGL utilizes a coiled heater assembly that maintains direct contact with the inside wall of the roll. This allows for a faster thermal recovery rate during long production runs as well as a very uniform temperature profile for thermally activated materials. AGL monitors the roll temperatures 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. Second, AGL uses a silicone coated steel roller construction without a crown. While our competitors use aluminum rollers and crown the silicone coating to compensate for their roller deflection (bending), we know this cost cutting technique will only cause you to have problems like in-feed waves (i.e. where the print buckles going into the laminator causing wrinkles and silvering). AGL rollers are guaranteed to have a

100% flat profile. Third, AGL rollers have an embedded temperature sensor. This feature makes sure you never have to worry about hot spots that will damage your prints. Other types of temperature sensors are fooled when you run cooling fans or when the rollers are stopped, causing them to over heat sending the temperature higher. This over heating can cause de-laminating of the silicone coated rollers.