



## FOLIANT VEGA 400 A

The FOLIANT Vega 400 A is a very compact industrial laminating machine designed for heavy-duty lamination of digitally printed material. It is equipped with an integrated deep pile vacuum feeder, high-speed bump separator, non-sticky pressure roller, in-run adjustable twin de-curl bar and overlap system. Due to its pneumatic high-pressure system, format and performance, the machine is suitable for all jobs – all kinds of digitally printed sheets and high volumes of 14" x 20" offset printed sheets for lamination. The machine's maximum speed is up to 59 ft./min., while performance is 2,140 sheets per hour of 14" x 20" portrait (white paper 200 gsm).



### LAMINATOR

The FOLIANT Vega 400 A laminator's maximum sheet size is 14.9" x 25.9". The minimum sheet size is 7.8" x 11.8". The FOLIANT Vega 400 A machine is a single-sided thermal industrial laminator, laminating 115 – 500 gsm paper. The machine does not need any external source of pressured air for the pneumatic pressure system because the compressor is integrated inside the machine frame as a standard feature.

The laminating unit is equipped with an adjustable twin de-curl unit that can change angle during operation:

- With a de-curl blade for offset printed sheets
- With a de-curl roller for digitally printed sheets (to prevent scratches on digitally printed sheets printed on both sides with sensitive inks).

The roll of film is mounted on a quick-changed shaft with a film tension control breaker. The shaft capacity is up to 9,842' of the 24 - 42 microns film. The film holder unit is equipped with a trim slit and a perforating wheel.

The laminating process is made between two laminating rollers - a highly polished chrome roller and a lower hard rubber pressure roller. The laminating roller is heated with a dry electric system inside the roller with a sensitive temperature sensor. The warm up time is less than 10 minutes. The non-sticky lower lamination roller eliminates machine cleaning because the glue from film doesn't stick to it at all, even under full pressure.

The whole machine is controlled from an interactive, easy-to-understand icon based touchscreen and its control system includes many automation items for easy control of the machine and reliable lamination.

## FEEDER

The FOLIANT Vega 400 A is equipped with a rising pile front separation stream feeder and vacuum belt head. The Becker vacuum pump is used for sheet separation. The overlaps are in an "in-run" mode. The accuracy is +/- 2 mm (0.08") under-lap (in a constant speed). The feeder is fitted with a lifting plate and its capacity is 11" of paper.

## SEPARATOR

The integrated bump separator (sheeter) is equipped with a pair of fast cycling rollers. The process is controlled from the machine's control unit. The separated sheets are delivered into a vibrating jogger (optional) or an adjustable reception unit (optional).

## LAMINATING FILMS

The machine laminates BOPP films (24 – 42 microns). Nylon films (24 - 35 microns) can be used with Pneumatic Separation option only.

## OPTIONS:

### JOGGER 400\*

The Jogger 400 is an adjustable vibrating reception unit for stacked laminated sheets. Its capacity is limited to 3.9" of paper.

### RECEPTION UNIT 400\*

The Reception Unit 400 is a simple adjustable reception unit for stacking the laminated sheets. Its capacity is 3.9" of paper.

## FOLIANT FOILER

Winding device that allows use of metalized film (gold, silver, red, etc.) and spot varnish film.

## EXTRA FILM SUPPLY ROLL SHAFT

Additional Film Supply Roll Shaft for quicker film replacement.

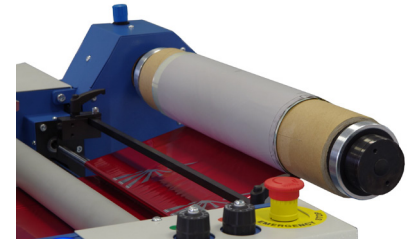
## PNEUMATIC SEPARATION

The standard mechanical separation system is replaced with a pneumatically powered system. The advantage is in better control of the whole separation process. It is supplied with control valves for the delay of separation and separation timing. This helps to separate thin sheets, thicker film, nylon film and helps with some other difficult jobs where fine tuning is necessary. Machines with this modification have to be connected to external pressurized air supply (6-8 bars, 50 l/min). The machine is supplied without a compressor.

**\*Important** - The machine must be operated with either a Reception Unit or a Jogger.



Optional Jogger 400



Optional Foliant Foiler

Foliant Vega 400A			
Max Speed	59 ft / min	Warm Up Time	8 min
Max. Performance	2100 14" x 20" SPH	Temperature Control	176° - 284°F
Feeding	Automatic	Power Supply	1 ph., 230-240 VAC, 50-60 Hz
Feeding System	Vacuum Belt	Power	3150 W
Feeder Load Capacity	11"	Floor Space with Jogger (W x L)	32" x 77.9"
Overlaps	In-Run Adjustable	Weight	815 lbs
Overlaps Accuracy	+ / - 2 mm (0.08")	Non-sticky Pressure Roller	Standard
Separation	Automatic, Bump Rollers	Twin Decurl Bar, In-Run Adjustable	Standard
Paper Weight	115 - 500 gsm	Jogger 400	Optional
Main Rollers Pressure	Pneumatic	Reception Unit RU400	Optional
Integrated Compressor	Standard	Pneumatic Separation	Optional
Min. Sheet Size (W x L)	7.8" x 11.8"	Air Shaft	Optional
Max. Sheet Size (W x L)	14.9" x 25.9"	Foliant Foiler	Optional

The information in this document is subject to change without notice.

