

# FOLIANT VEGA 400A

The FOLIANT Vega 400A is very compact industrial laminating machine designed for the heavy-duty lamination of digitally printed material. It is equipped with an integrated deep pile vacuum feeder, a high-speed bump separator, with a non-sticky pressure roller and in-run adjustable twin de-curl bar and overlap system. Due to its pneumatic high-pressure system (with integrated compressor inside the machine frame), format and performance the machine is suitable for all jobs – all kinds of digitally printed sheets and high volumes of offset printed sheets size 14" x 20" for lamination. **The machine maximum speed is up to 59 ft/min**, while performance is over 2,100 sheets per hour of 14" x 20" portrait (white paper 200 gsm).



## FEEDER

The FOLIANT Vega 400A is equipped with a rising pile front separation stream feeder and with a vacuum belt head. The Becker vacuum pump is used for sheet separation. The overlaps are controlled, 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 a 11" pile of paper.

## LAMINATOR

The FOLIANT Vega 400A laminator maximum sheet size is 14.9" x 25.9" (which is the maximum output format from Xerox iGen4). The minimum sheet size is 7.87" x 11.8" (A4). The FOLIANT Vega 400A machine is a single-sided thermal industrial laminator, laminating the 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 the operation:

- With a de-curl blade for offset printed sheets

- With a decurl roller for digitally printed sheets (to prevent the 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 an in-line trim slitter 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 with a non-sticky surface. The pressure is pneumatically adjustable. The laminating roller is heated with a dry electric system inside the roller with a sensitive temperature sensor. The warm up time is shorter 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 it's used control system includes many automation items for easy control of the machine and reliable lamination.

## SEPARATOR

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

## LAMINATING FILMS

The machine laminates the BOPP films (24 – 42 µm). The Nylon films (24 – 35 µm) can be laminated with optional Pneumatic separation only.

## OPTIONS

### JOGGER 400\*

It is an adjustable vibrating reception unit for the stacking of laminated sheets. Its capacity is limited up to a 3.9" pile of sheets.

### RECEPTION UNIT 400\*

It is an adjustable desk for stacking laminated sheets. Its capacity is 3.9" pile of sheets.

### 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 pneumatically powered system. The advantage is in better control of the whole separation process. It is supplied with control valves for delay of separation and separation timing. This helps to separate thin sheets, thicker film, nylon film or 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). It is supplied without a compressor.

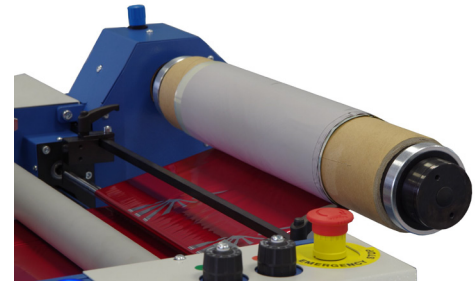
### AIR SHAFT

Standard film holder is replaced with air shaft for quick, tool-less film installation. Only available together with pneumatic separation option.

\*Important – the machine must be operated either with Reception unit or with Jogger.



Optional Jogger 400



Optional Foliant Foiler

Foliant Vega 400A			
Max Speed	59 ft / min	Warming up Time	8 min
Max. Performance	2100 14" x 20" sheets / hour	Temperature Control	176° - 284°F
Feeding	Automatic	Power Supply	1 ph., 230-240 V AC, 50-60 Hz
Feeding System	Vacuum Belt	Power	3150 W
Feeder's 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. Sheets Size (w x l)	7.87" x 11.8"	Air shaft	Optional
Max. Sheets (w x l)	14.96" x 25.98"	Foliant Foiler	Optional