



FOLIANT VEGA 400 SF

The FOLIANT Vega 400 SF is a very compact industrial laminating machine designed for heavy-duty lamination of digital and offset outputs (max. format 15" x 26"). It is equipped with an integrated deep pile suction feeder (original from offset printing machines), pneumatic high-speed bump separator, adjustable dual de-curl bar and overlap system. Due to its high pneumatic pressure system, format and performance, the machine is suitable for all jobs – all kinds of digitally printed sheets and high volumes of offset printed sheets 14" x 20" for lamination. The machine's maximum speed is up to 65 ft./min., while performance is 2,300 sheets per hour of 14" x 20" portrait (white paper 200 gsm).



LAMINATOR

The FOLIANT Vega 400 SF laminator's maximum sheet size is 15" x 26". The minimum sheet size is 7.8" x 11.8". The FOLIANT Vega 400 SF machine is a single-sided thermal industrial laminator, laminating 115 – 500 gsm paper. The machine needs an external source of pressured air for the pneumatic pressure system 87.0 psi - 116.0 psi / 5.3 cfm.

The laminating unit is equipped with an adjustable dual de-curl bar 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 whole machine is controlled with an interactive, easy-to-understand icon based touchscreen and its control system includes several automation items for easy control of the machine and reliable lamination.

Comparing competitive products, the Vega 400 SF machine's control system allows **more automation**:

- Intelligent job interruption, without having to re-install or re-adjust the machine, saves plenty of time.
- The first sheet of a new job automatically, safely and easily passes through the master roller's gap to be the best position.
- Automatic regeneration of master pressure.

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 standard film roll core is 3". The film holder unit is equipped with an in-line trim slitter and perforating wheel.

The laminating process is made between two laminating rollers - a highly polished chrome roller and a lower hard rubber pressure roller. 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 less than 10 minutes.

FEEDER

The FOLIANT Vega 400 SF is equipped with a rising pile suction feeder. The Becker vacuum pump integrated in the machine frame is used for front airing sheets. 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.

NON-STICKY PRESSURE ROLLER

The Non-sticky Pressure Roller is a revolution in laminating technology. The rubber pressure roller is replaced by a roller with a non-sticky surface. It absolutely does not stick to the glue, film, toners and paper eliminating roller cleaning. It also allows the lamination of sheets with windows.

SEPARATOR

The integrated pneumatic 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) and Nylon films (24 - 35 microns).

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 an adjustable unit for stacking laminated sheets. Its capacity is 3.9” of paper.

FOLIANT FOILER

The Foliant Foiler allows the foil to stick over digitally printed toners using the following foils:

- Metalized foils (available in many designs like gold, silver, red etc.) and holographic foils
- Transparent glossy foil for spot varnishing effect

EXTRA FILM SUPPLY ROLL SHAFT

Additional Film Supply Roll Shaft for quicker film replacement of 3” and 1” (optional) cores.

AIR SHAFT

The Standard film holder is replaced with an air shaft for quick, tool-less film installation (3” core only).

XXL FEEDING TABLE EXTENSION

Removable feeding table extension that is able to support low volumes of paper up to 51” long.

ANTI-STATIC BAR

Pair of ionization bars that remove static charge from laminated paper.



Optional Jogger 530

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

Foliant Vega 400 SF			
Max Speed	65’/ min	Warm Up Time	8 min
Max. Performance	2,300 14" x 20" SPH	Temperature Control	176° - 284°F
Feeding	Automatic	Power Supply	1 ph., 230-240 V AC, 50-60 Hz
Feeding System	Suction Feeding Head	Power	3,500 W
Feeder Load Capacity	11"	Floor Space with Jogger (W x L)	71.6" x 78"
Overlaps	In-Run Adjustable	Weight	838 lbs.
Overlaps Accuracy	+ / - 0.08"	Dual De-curl Bar, In-run Adjustable	Standard
Separation	Automatic, Bump Rollers	Jogger 400	Optional
Paper weight	115 - 500 gsm	Reception Unit RU400	Optional
Main Rollers Pressure	Pneumatic	Non-sticky Pressure Roller	Standard
External Compressor	87 - 116 psi / 5.3 cfm	Pneumatic Separation	Standard
Min. Sheet Size (W x L)	7.8" x 11.8"	Air Shaft	Optional
Max. Sheet Size (W x L)	20" x 30"	Foliant Foiler	Optional

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

