



FOLIANT VEGA 530 A

The FOLIANT Vega 530 A is a very compact industrial laminating machine designed for heavy-duty lamination of digital and offset outputs (max. format 20.8" x 29.5"). It is equipped with an integrated deep pile vacuum feeder, high-speed bump separator, and adjustable twin de-curl bar and overlap system. Due to its pneumatic high-pressure system (with an 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 19.7" x 27.8" offset printed sheets for lamination. The machine's maximum speed is up to 59 ft./min., while performance is 1,550 sheets per hour of 19.7" x 27.8" portrait or 3,000 sheets 14" x 20" landscape (white paper 200 gsm).



LAMINATOR

The FOLIANT Vega 530 A laminator's maximum sheet size is 20.8" x 29.5". The minimum sheet size is 7.8" x 11.8". The FOLIANT Vega 530 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 the 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 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. 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 530 A 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 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 13.7" 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 the Pneumatic Separation modification only.

OPTIONS:

JOGGER 530*

The Jogger 530 is an adjustable vibrating reception unit for stacked laminated sheets. Its capacity is limited to 3.9" of paper.

RECEPTION UNIT 530*

The Reception Unit 530 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.

NON-STICKY PRESSURE ROLLER

Standard rubber pressure roller is replaced by a roller with a non-sticky surface. Melted glue from the film cannot stick to it, even under heavy pressure. Cleaning of this roller is not necessary at all. It allows for the lamination of sheets with windows.

EXTRA FILM SUPPLY ROLL SHAFT

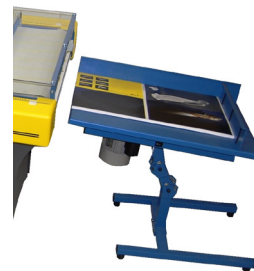
Additional Film Supply Roll Shaft for quicker film replacement.

AIR SHAFT

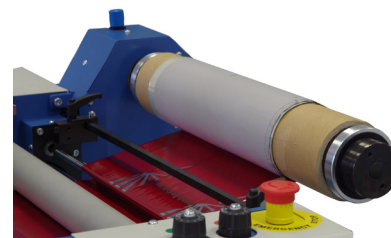
Standard film holder is replaced with an air shaft for quick, tool-less film installation. This option is only available together with the pneumatic separation option.

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

Because the quality of lamination depends on a combination of many factors (film and paper quality, printing technology being used, etc.), the actual speed of operation will vary depending on these factors.



Optional Jogger 530



Optional Foliant Foiler

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 also 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.

Foliant Vega 530A			
Max Speed	59' / min	Warm Up Time	8 min
Max. Performance	1550 19.7" x 27.8" SPH	Temperature Control	176° - 284°F
Feeding	Automatic	Power Supply	1 ph., 230-240 VAC, 50-60 Hz
Feeding System	Vacuum Belt	Power	3850 W
Feeder Load Capacity	11"	Floor Space with Jogger (W x L)	39.3" x 84.6"
Overlaps	In-Run Adjustable	Weight	859 lbs
Overlaps Accuracy	+ / - 2 mm (0.08")	Twin Decurl Bar, In-Run Adjustable	Standard
Separation	Automatic, Bump Rollers	Jogger 530	Optional
Paper Weight	115 - 500 gsm	Reception Unit RU530	Optional
Main Rollers Pressure	Pneumatic	Non-sticky Pressure Roller	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)	20.8" x 29.5"	Foliant Foiler	Optional

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