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FOLIANT VEGA 530A

The FOLIANT Vega 530A is a new generation of very compact industrial laminating machine, designed for a heavy duty "In-House" lamination of digital and offset outputs (max. format 53 x 75 cm). It is equipped with integrated deep pile vacuum feeder, high speed bump separator, adjustable twin decurl bar and overlap system. Due to its high pneumatic pressure system (with integrated compressor inside machine frame), format and performance the machine is suitable for all jobs – all kinds of digital printed sheets lamination and high volumes of offset printed sheets size B2+ lamination too. **The machine maximum speed is up to 18 m/min.**, while performance is almost 1550 sheets per hour of B2 portrait or 3000 sheets B3 landscape (white paper 200 gsm).



FEEDER

The FOLIANT Vega 530A is equipped with a rising pile front separation stream feeder and with a vacuum belt head. The Becker vacuum pump is used for sheets front airing. The overlaps are controlled, in an „in-run“ mode. The accuracy is +/- 2 mm under-lap (in a constant speed). The feeder is fitted with a lifting plate and its capacity is a 35 cm pile of paper.

LAMINATOR

The FOLIANT Vega 530A laminator maximum sheet size is 53 x 75 cm. The minimum sheet size is 20 x 30 cm (A4). The FOLIANT Vega 530A 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 delivery.

The laminating unit is equipped with an adjustable twin decurl bar that can change angle during the operation:

- With a decurl blade for offset printed sheets decurling
- With a decurl roller for digital printed sheets decurling (to prevent the scratches on sheets printed on both sides by digital print with sensitive inks).

The roll of a film is mounted on a quick-changed shaft with a film tension control breaker. The shaft capacity is up to 3000 m of the 24 - 42 microns film. The film holder unit is equipped with an in-line 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 pressure is pneumatically adjustable. The laminating roller is heated with a dry electric system inside the roller, with a sensitive temperature sensor. The warming up time is shorter than 10 minutes.

The whole machine is controlled with an interactive, easy understandable icon based touch screen and its used control system includes many automation items for an easy control of the machine and a 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). Nylon films (24 – 35 µm) can be processed with optional Pneumatic separation modification.

OPTIONS

JOGGER 530*

It is an adjustable vibrating reception unit for the laminated sheets stocking. Its capacity is limited up to a 10 cm pile of sheets.

RECEPTION UNIT 530*

It is an adjustable desk for laminated sheets stocking. Its capacity is 10 cm pile of sheets.

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 roller with non-sticky surface. Melted glue from film cannot stick to it even under heavy pressure. Cleaning of this roller is not necessary at all. Allows lamination of sheets with windows.

EXTRA FILM SUPPLY ROLL SHAFT

Additional Film Supply Roll Shaft for quicker film replacement.

PNEUMATIC SEPARATION

Standard mechanical separation system is replaced with pneumatically powered system. 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. Machine with this modification have to be connected to external pressurized air supply (6-8 bars, 150 l/min), it is supplied without compressor.

AIR SHAFT

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

XXL FEEDING TABLE EXTENSION

Removable feeding table extension that is able to support paper up to 130 cm long.

ANTI-STATIC BAR

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



Optional Jogger 530



Optional Foliant Foiler

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

Foliant Vega 530A			
Max Speed	18 m / min	Warming up Time	8 min
Max. Performance	1550 B2 / hour	Temperature Control	80 - 140°C
Feeding	Automatic	Power Supply	1 ph., 230-240 V AC, 50-60 Hz
Feeding System	Vacuum Belt	Power	3850 W
Feeder's Load Capacity	28 cm	Floor space with Jogger (w x l)	100 x 215 cm
Overlaps	In-Run Adjustable	Weight	390 kg
Overlaps Accuracy	+ / - 2 mm	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. Sheets Size (w x l)	20 x 30 cm	Air shaft	Optional
Max. Sheets (w x l)	53 x 75 cm	Foliant Foiler	Optional

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