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FOLIANT VEGA 400A

The FOLIANT Vega 400A is a new generation of very compact industrial laminating machine, designed for a heavy duty digital outputs lamination. It is equipped with an integrated deep pile vacuum feeder, a high speed bump separator, with non-sticky pressure roller and in-run adjustable twin decurl bar and overlap system. Due to its pneumatic high 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 B3+ lamination too. **The machine maximum speed is up to 18 m/min.**, while performance is over 2100 sheets per hour of B3 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 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 28 cm pile of paper.

LAMINATOR

The FOLIANT Vega 400A laminator maximum sheet size is 38 x 66 cm (which is the maximum outputs format from Xerox iGen4). The minimum sheet size is 20 x 30 cm (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 delivery.

The laminating unit is equipped with an adjustable twin decurl unit 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 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 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 warming 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 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.



Optional Jogger 400



Optional Foliant Foiler

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 laminated sheets stocking. Its capacity is limited up to a 10 cm pile of sheets.

RECEPTION UNIT 400*

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.

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.

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

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Max Speed	18 m / min	Warming up Time	8 min
Max. Performance	2100 B3 / hour	Temperature Control	80 - 140°C
Feeding	Automatic	Power Supply	1 ph., 230-240 V AC, 50-60 Hz
Feeding System	Vacuum Belt	Power	3150 W
Feeder's Load Capacity	28 cm	Floor space with Jogger (w x l)	82 x 198 cm
Overlaps	In-Run Adjustable	Weight	370 kg
Overlaps Accuracy	+ / - 2 mm	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)	20 x 30 cm	Air shaft	Optional
Max. Sheets (w x l)	38 x 66 cm	Foliant Foiler	Optional