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# FOLIANT VEGA 400 SF

The FOLIANT Vega 400 SF 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 38 x 72 cm). It is equipped with integrated deep pile suction feeder (original from offset printing machines), pneumatic high speed bump separator, adjustable dual decurl bar and overlap system. Due to its high pneumatic pressure system, 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 20 m/min.**, while performance is over 2300 sheets per hour of B3 portrait (blank paper 200 gsm).



## FEEDER

The FOLIANT Vega 400 SF is equipped with a rising pile suction feeder. Its feeding head origin is in offset printing machines. The Becker vacuum pump integrated in the machine frame 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 400 SF laminator maximum sheet size is 38 x 72 cm. The minimum sheet size is 20 x 30 cm (A4). The FOLIANT Vega 400 SF machine is a single sided thermal industrial laminator, laminating the 115 – 500 gsm paper.

The machine needs an external source of pressured air for the pneumatic pressure system 6 – 8 bar, 150 l/min.

The laminating unit is equipped with an adjustable dual 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 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.

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

- Intelligent interruption of jobs, without any machine's re-installation or re-adjustment, it saves plenty of time

- First sheets of a new job automatic passing through the gap between master rollers, to the best position. It makes it safety and easy.
- Automatic regeneration of master pressure.

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. Standard film rill core: 76 mm. 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 8 minutes.

## NON-STICKY PRESSURE ROLLER

It is a revolution in laminating technology – the rubber pressure roller is replaced by roller with non-sticky surface. It absolutely does not stick the glue., film, toners and paper. So it absolutely eliminates this roller cleaning. It allows lamination of sheets with windows too.

## SEPARATOR

The integrated pneumatic 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) and Nylon films (24 – 35 µm).

## 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.

### SUCTION FEEDING HEAD HEIDELBERG

Original feeding head can be replaced with suction feeding head Heidelberg.

### FOLIANT FOILER

That system allows to stick (over digital printed toners) 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, for film core 76 mm and 25 mm.

### AIR SHAFT

Standard film holder is replaced with air shaft for quick, tool-less film installation, core 76 mm only.

### XXL FEEDING TABLE EXTENSION

Removable feeding table extension that is able to support a low volumes of 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 400 SF			
Max speed	20 m / min	Temperature control	80 - 140°C
Max. performance	2300 B3 / hour	Power supply	1 ph., 230-240 V AC, 50-60 Hz
Feeding	Automatic	Power	3500 W
Feeding system	Suction feeding head	Floor space with Jogger (w x l)	182 x 198 cm
Feeder's load capacity	28 cm	Weight	380 kg
Overlaps	In-Run Adjustable	Dual decurl bar, In-run adjustable	Standard
Overlaps accuracy	+ / - 2 mm	Jogger 400	Optional
Separation	Automatic, Bump Rollers	Reception Unit RU400	Optional
Paper weight	115 - 500 gsm	Non-sticky pressure roller	Standard
Main rollers pressure	Pneumatic	Pneumatic separation	Standard
External compressor	6 – 8 bar, 150 l/min	Air shaft	Optional
Min. sheets size (w x l)	20 x 30 cm	Foliant Foiler	Optional
Max. sheets size (w x l)	38 x 72 cm	Suction feeding head Heidelberg	Optional
Warming up time	8 min		

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