

# FOLIANT VEGA 400 SF

The FOLIANT Vega 400 SF is a very compact industrial laminating machine, designed for a 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 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 and high volumes of offset printed sheets size 14" x 20" for lamination. **The machine maximum speed is up to 65'/min.**, while performance is over 2,300 sheets per hour of 14" x 20" 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 front airing sheets. The overlaps are controlled, in an "in-run" mode. The accuracy is +/- .78" under-lap (in a constant speed). The feeder is fitted with a lifting plate and its capacity is a 11" pile of paper.

## LAMINATOR

The FOLIANT Vega 400A laminator maximum sheet size is 15" x 26" cm. The minimum sheet size is 7.8" x 11.8" (A4). The FOLIANT Vega 400A 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 87.0 psi - 116.0 psi / 5.3 cfm.

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 touchscreen and its used control system includes many automation items for an easy control of the machine and 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 safely and easily.
- 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 9,842' of the 24 - 42 microns film. Standard film rill core: 3". 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. 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 shorter than 8 minutes.

## NON-STICKY PRESSURE ROLLER

It is a revolution in laminating technology – the rubber pressure roller is replaced by a roller with non-sticky surface. It absolutely does not stick the glue, film, toners and paper. So it absolutely eliminates roller cleaning. It allows the 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 stacking of laminated sheets. Its capacity is limited up to a 3.9" pile of sheets.

### RECEPTION UNIT 400\*

It is an adjustable desk for for the stacking of laminated sheets. Its capacity is 3.9" cm pile of sheets.

### 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 3" and 1"

### AIR SHAFT

Standard film holder is replaced with air shaft for quick, tool-less film installation, core 3" only.

### XXL FEEDING TABLE EXTENSION

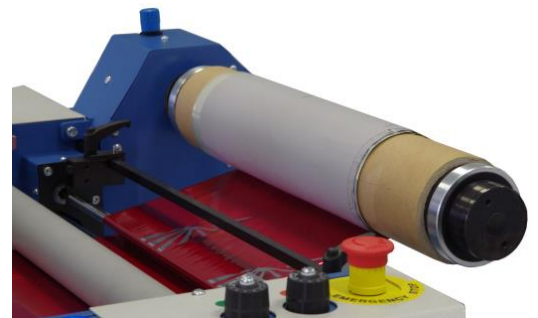
Removable feeding table extension that is able to support a low volumes of paper up to 51" long.

### ANTI-STATIC BAR

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



Optional Jogger 530



Optional Foliant Foiler

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

Foliant Vega 400 SF			
<b>Max speed</b>	65'/ min	<b>Warming up time</b>	8 min
<b>Max. performance</b>	2,300 14" x 20" / hour	<b>Temperature control</b>	176° - 284°F
<b>Feeding</b>	Automatic	<b>Power supply</b>	1 ph., 230-240 V AC, 50-60 Hz
<b>Feeding system</b>	Suction feeding head	<b>Power</b>	3,500 W
<b>Feeder's load capacity</b>	11"	<b>Floor space with Jogger (w x l)</b>	71.6" x 78"
<b>Overlaps</b>	In-Run Adjustable	<b>Weight</b>	838 lbs.
<b>Overlaps accuracy</b>	+ / - 0.78"	<b>Dual decurl bar, In-run adjustable</b>	Standard
<b>Separation</b>	Automatic, Bump Rollers	<b>Jogger 400</b>	Optional
<b>Paper weight</b>	115 - 500 gsm	<b>Reception Unit RU400</b>	Optional
<b>Main rollers pressure</b>	Pneumatic	<b>Non-sticky pressure roller</b>	Standard
<b>External compressor</b>	87 - 116 psi / 5.3 cfm	<b>Pneumatic separation</b>	Standard
<b>Min. sheets size (w x l)</b>	7.8" x 11.8"	<b>Air shaft</b>	Optional
<b>Max. sheets size (w x l)</b>	20" x 30"	<b>Foliant Foiler</b>	Optional

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