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FOLIANT GEMINI C 400A

The FOLIANT Gemini C 400A is a fully automatic high pressure laminating machine (feeder, laminator and separator) developed for a **digital printing machines outputs lamination**. The machine is equipped with a pneumatic system of laminating rollers pressure with an easy thrust control. A small compressor is integrated inside the machine frame. The machine has been designed with an operating width of 380 mm and it represents an ideal choice for professional single side lamination in digital shops and all other printing shops, printing and processing sheets up to B3+ size (the largest format is 38 x 58 cm, with a special option even 38 x 66 cm). **Maximum speed is up to 15 meters/min.**



The machine's main feature is pneumatic pressure system in a heavy duty mechanism enabling to achieve a very high working pressure, one single phase 220 – 240 V supply cable, a small integrated compressor inside the machine frame (i.e. no external source of pressured air is required), a nice design and an easy machine operation.

The machine is supplied with a modular stand covered with a nicely designed side panels as a standard accessory. An **RU 400** Reception Unit and/or a **Jogger 400** for storing the laminated sheets can be supplied as an option. The machine requires a minimum floor space of 74 x 280 cm.

FEEDER

The FOLIANT Gemini C 400A is equipped with a sophisticated vacuum belt rising pile (25 cm) front separation automatic sheet feeder which increases operating comfort and its performance. The feeder is equipped with an „in run" overlaps control knob, a Becker vacuum pump and a capacitance control sensor. The Becker vacuum pump is used for sheets front airing and for vacuum belt. 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 with stops and guiders and its capacity is a 25 cm pile of paper.

LAMINATOR

The FOLIANT Gemini C 400A laminator maximum sheet size is 38 x 58 cm. The optional accessory allows laminating sheets of maximum size 38 x 66 cm. The minimum sheet size is 30 x 25 cm (A4). The roll of a film is mounted on an easy handle shaft with a film tension

control breaker. The shaft capacity is up to 3000 m of the 24 - 31 microns film. The film holder unit is equipped with a trim slitter and a perforating wheel.

The laminating process is done between two laminating rollers - a highly polished chrome roller, and a lower hard rubber pressure roller. The laminating roller is heated with an infra-red heating spiral, with a sensitive contact temperature sensor. The pressure is pneumatically adjustable to achieve an extra high pressure between the laminating rollers. A small compressor is integrated inside the machine frame.

The laminating unit is equipped with an adjustable twin decurl unit:

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



Optional Jogger

Separator

The belt separator (sheeter) is equipped with a separating roller and a deflection wheel. The process is controlled with an extra speed control knob and a deflection wheel angle. The separated sheets are delivered into a reception unit or a vibrating jogger (optional).

Laminating Films

The machine laminates the BOPP films (23 – 42 microns). The Nylon films (max 35 microns) can be laminated with the optional module integrated inside the machine separator.



Optional Reception Unit

Options

Jogger 400 (optional)*

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

Reception Unit RU 400 (optional)*

It is a simple adjustable reception unit for stocking the laminated sheets.

Non-sticky pressure roller (optional)

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 laminating sheets with windows.



Additional Film Supply Roll Shaft

Module for Sheets 38 x 66 cm Lamination (optional)

It is a module for longer sheets lamination (for example the max. size outputs from Xerox iGen4 is 58 x 66 cm).

Module for Nylon films processing (optional)

It is a module integrated inside the machine separator for the Nylon films processing.

Film Supply Roll Shaft (optional)

Additional Film Supply Roll Shaft for quicker film replacement.

*Important – the machine must be operated either with a RU400 or with a Jogger400.

Foliant Gemini C 400 A			
Maximum speed	15 m/min.	**Max. performance**	1800 B3/ hour
Feeding	Automatic	**Temperature control**	80-140°C
Feeding system	Vacuum belt	**Warming up time**	5 min
Feeder's load capacity	25 cm	**Power supply**	230 V AC, 50-60Hz
Overlaps control	In-Run Screw control	**Power**	3150W
Separation	Automatic	**Floor space (w x l)**	74 x 280 cm
Paper weight	115-350 gsm	**Weight**	265 kg
Main roller pressure	Pneumatic	**Modular stand**	Included
Integrated compressor	Included	**Nylon films processing module**	Optional
Min. sheets size (w x l)	30 x 25 cm	**Reception Unit 400**	Optional
Max. sheets size (w x l)	38 x 58 cm	**Jogger 400**	Optional
Module for sheets 38 x 66 cm	Optional	**Non-sticky pressure roller**	Optional