FOLIANT GEMINI C 400S

The FOLIANT Gemini C 400S is a semiautomatic high pressure laminating machine (laminator and separator) developed for a **digital printing machines outputs lamination**. The machine is equipped with a pneumatic pressure system of laminating rollers 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 a 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 220 cm including the Jogger.

LAMINATOR

The FOLIANT Gemini C 400S laminator maximum sheet size is 38 x 58 cm. The option 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).

SEPARATOR

The belt separator (sheeter) is equipped with a separating roller and a deflection wheel. The separated sheets are delivered into a reception unit or a vibrating jogger (options).

FEEDING

The FOLIANT Gemini C 400S is a semiautomatic machine. The feeding is manual. The laminating unit is equipped with a synchronized feeding conveyor and an adjustable side guider for an easy manual loading.

Optional Jogger

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 limited up to a 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)
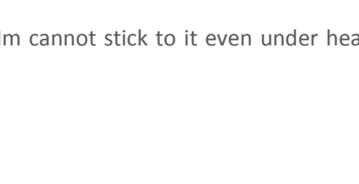
Optional Supply Roll Shaft

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.

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)

Extra Film Supply Roll Shaft for quicker film replacement.

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).

*Important – the machine must be operated either with a RU 400 or with a Jogger 400.

Foliant Gemini C 400S			
Max Speed	15 m / min	Warming up Time	5 min
Feeding	Manual	Power Supply	230 V AC, 50-60 Hz
Separation	Automatic	Power	2600 W
Paper Weight	115 - 350 gsm	Floor space (w x l)	74 x 220 cm
Main rollers pressure	Pneumatic	Weight	185 kg
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
Max. Performance	1200 B3 / h	Non-sticky pressure roller	Optional
Temperature Control	80 - 140°C	Module for Sheets 38x66 cm	Optional