



FOLIANT GEMINI 400 NG-T

The FOLIANT Gemini 400 NG-T is the next generation of high-pressure laminating machines developed for digital output. 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 14.96" and it represents an ideal choice for professional, single-side lamination in digital shops and all other print shops, printing and processing sheets up to 13.9" x 19.7" size (the length of laminated sheets is not limited. In testing, the lamination it is ~27.5.") Maximum speed is up to 49 feet/min.



The machine's main feature is a pneumatic pressure system in a heavy-duty mechanism enabled 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 easy machine operation.

LAMINATOR

The FOLIANT Gemini 400 NG-T laminator's maximum sheet size is 14.96" x 22.83". The minimum sheet size is 7.87" x 11.80" (A4). The roll of film is mounted on an easy handle shaft with a film tension control breaker. The shaft capacity is up to 9,842' of the 24 - 42 microns film and core diameter 1" or 3". 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 infrared heated spiral with a sensitive contact temperature sensor. The pressure is pneumatically adjustable to achieve extra high pressure between the laminating rollers.

The laminating unit is equipped with an adjustable twin de-curl unit.

- With a de-curl blade for offset printed sheets
- With a de-curl roller for digitally printed sheets (to prevent scratches on digitally printed sheets printed on both sides with sensitive inks)

The whole machine is controlled by a touchscreen with an interactive interface.

FEEDING

The Foliant Gemini 400 NG-T is a manual machine. The feeding is manual. The laminating unit is equipped with a synchronized feeding conveyor and an adjustable side guide for easy loading.

SEPARATION

The Foliant Gemini 400 NG-T is a manual machine. The separation is manual. Due to the perforation of film (done in the process of lamination), the whole process is easy.

LAMINATING FILMS

The machine laminates BOPP films (24 – 42 microns) and Nylon films (max. 35 microns). Film roll with a 1" or 3" core can be used. The machine comes with a 3" core. The 1" core is optional.

OPTIONS:

FILM SUPPLY ROLL SHAFT

Extra Film Supply Roll Shaft for quicker film replacement.

NON-STICKY PRESSURE ROLLER

The standard rubber pressure roller is replaced by a roller with a non-sticky surface. Melted glue from the film cannot stick to it even under heavy pressure. Cleaning of this roller is not necessary at all. It allows for the laminating of sheets with windows.

FOLIANT FOILER

Winding device that allows use of metalized film (gold, silver, red, etc.) and spot varnish film. The machine behaves as semi-automatic during foiling because there is no need for separation.



Extra Film Supply Roll Shaft



Optional Foliant Foiler

Foliant Gemini 400 NG-T

Max Speed	49' / min	Temperature Control	80 - 140°C
Max. Performance	1800 13.9" x 19.7" SPH	Warm Up Time	5 min
Feeding	Manual	Machine control	Touchscreen + PLC
Separation	Manual	Power Supply	230 V AC, 50-60 Hz
Paper Weight	115 - 350 gsm	Power	2550 W
Main Rollers Pressure	Pneumatic	Floor Space (W x L)	29" x 46"
Integrated Compressor	Included	Weight	335 lbs
Min. Sheets Size (W x L)	7.87" x 11.8"	Non-sticky Pressure Roller	Optional
Max. Sheets Size (W x L)	14.96" x 22.83"	Foliant Foiler	Optional

The information in this document is subject to change without notice.

