



FOLIANT POLLUX 760 SF

The FOLIANT Pollux 760 SF is a very compact and fast industrial laminating machine with heavy-duty construction, a suction feeder and high-speed bump separator. Options like a pallet feeder, pallet stacker and an electric film loader/manipulator are available. The machine's maximum speed is up to 164 ft/min., while maximum performance is 3,000 sheets per hour of 27.8" x 39.4" portrait or 6,000 sheets per hour of 19.7" x 27.8" landscape (white paper 200 gsm).



FEEDER

The FOLIANT Pollux 760 SF is equipped with a rising back pile separation stream feeder and suction feed head. It is driven by an OMRON servo motor and controlled by a machine central PLC. The Becker vacuum pump is used for sheet separation. The overlaps are electronically controlled, in an "in-run" automatic mode, from the touchscreen. The accuracy is +/- 2 mm (0.08") under-lap (in a constant speed). The feeder is fitted with a lifting plate and its capacity is 15.7" of paper.

LAMINATOR

The FOLIANT Pollux 760 SF laminator's maximum sheet size is 29.9" x 43.3". The minimum sheet size is 12.5" x 9.8". The FOLIANT Pollux 760 SF machine is a single-sided thermal industrial laminator, laminating 115 – 600 gsm paper, with an unique "U" cross bar for flat, thin sheets and safety high-pressure lamination, mounted in front of the main laminating rollers, with an "in run" adjustable de-curl bar.

The roll of film is mounted on an air shaft that allows very convenient, easy and precise film positioning. The shaft capacity is up to 9,842' of the 24 - 42 microns film. The film holder unit is equipped with a 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 laminating roller is heated with 6 contact electric heaters inside the roller with a sensitive temperature sensor. The pressure is pneumatically adjustable with an extra independent control knob for each roller edge. The pressure of pulling rollers is controlled with a pneumatic control knob. There is a service "walk-in" section between the machine laminating rollers and pulling rollers for easy machine maintenance and roller cleaning. Also, the machine requires an external source of pressured air (200 l / min, 6 – 8 bars).

The machine is fitted with OMRON Programmable Logic Controllers which controls all of the machine's functions. The PLC system includes many automatic items for easy control of the machine and reliable lamination. The whole machine is controlled by an interactive, easy-to-understand icon touchscreen panel – no language version is needed.

SEPARATOR

The integrated bump separator (sheeter) is equipped with a pair of fast cycling rollers. The process is controlled from the machine PLC unit. The separated sheets are delivered into a vibrating Jogger (optional) or a Pallet Stacker (optional).

LAMINATING FILMS

The machine laminates BOPP films (24 – 42 microns), Nylon films (24 - 35 microns) and PET films (20 - 25 microns).

OPTIONS:

JOGGER 760*

The Jogger 760 is an adjustable vibrating reception unit for stacked laminated sheets. Its capacity is limited to 3.9" of paper.

PALLET STACKER*

The Pallet Stacker is equipped with a pallet trolley, pneumatically controlled from the machine PLC, which loads the laminated sheets into a high pile. Its capacity is 25.6" of paper. It is based on a manual scissors lift table (hydraulic) and sensors for its pneumatic control. The pallet can be operated either from the operator's side (saving the operator space) or from behind.

PALLET FEEDER

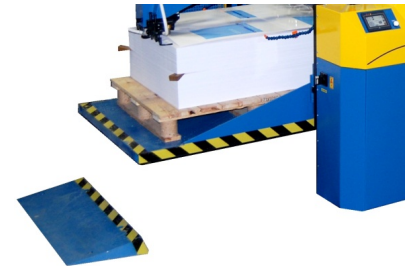
The Pallet Feeder is fitted with a pallet holder and an adapter for a full pallet of paper. Its capacity is 25.6" of paper. The pallet can be operated from the front and it requires additional room for the operation.

FILM LOADER/MANIPULATOR

The Film Loader/Manipulator is an electric lift with a film core adapter for loading heavy rolls of film (max. capacity 275.5 lbs). The device is not integrated with the machine. It is only connected with the machine's electrical circuits.

***Important** - The machine must be operated with a Pallet Stacker or a Jogger.

Because the quality of lamination depends on a combination of many factors (film and paper quality, printing technology being used, etc.), the actual speed of operation will vary depending on these factors.



Optional Pallet Feeder



Optional Pallet Stacker



Optional Jogger

Foliant Pollux 760 SF

Max Speed	164' / min	Film Micro Adjustment Air Shaft	Standard
Max Performance	3000 27.8" x 39.4" SPH	Warm Up Time	8 min
Feeding	Automatic	Temperature Control	176° - 284°F
Feeding System	Suction Feeder	Power Supply	3 ph., 400 V AC, 50-60 Hz
Feeder Load Capacity	25.59"	Power	14500 W
Overlaps	Automatic, PLC Control	Floor Space with Jogger (W x L)	64.9" x 161"
Overlaps Accuracy	+ / - 0.08" (2 mm)	Weight	2,182.5 lbs
Separation	Automatic, Bump Rollers	Pallet Feeder	Optional
Paper Weight	115 - 600 gsm	Pallet Feeder Capacity	25.6"
Main Rollers Pressure	Pneumatic	Jogger 760	Optional
External Compressor	200 l/ min, 6 - 8 bar	Pallet Stacker	Optional
Min Sheet Size (W x L)	12.6" x 9.8"	Pallet Stacker Capacity	25.6"
Max Sheet Size (W x L)	29.9" x 43.3"	Film Loader (Electric)	Optional

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