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FOLIANT POLLUX 760 NG

The FOLIANT Pollux 760 NG is a high speed compact industrial laminating machine with heavy duty construction, suction feeder and a high speed bump separator. Options like pallet feeder, a pallet stacker and an electric film loader/manipulator are available. **The machines maximum speed is up to 50 m/min**., while the maximum performance is 3000 sheets per hour of a B1 portrait or 6000 sheets per hour of B2 landscape (white paper 200 gsm).

FEEDER

The FOLIANT Pollux 760 NG is equipped with a rising pile back separation stream feeder, with a 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 sheets back and sides airing. The overlaps are electronically controlled, in an „in-run“ automatic mode, from the touch screen. The accuracy is +/- 2 mm under-lap (in a constant speed). The standard feeder is fitted with a lifting plate and its capacity is a 55 cm pile of paper.

LAMINATOR

The FOLIANT Pollux 760 NG laminator maximum sheet size is 76 x 110 cm. The minimum sheet size is 32 x 25 cm. FOLIANT Pollux 760 NG machine is a single sided thermal industrial laminator, laminating the paper 115 – 600 gsm, with an unique „U“ cross bar for the thin sheets flat and safety high pressure lamination, mounted in the front of the main laminating rollers, with an „In run“ adjustable de-curl bar.

The roll of a film is mounted on an air shaft that allows very convenient, easy and precise film positioning. The shaft capacity is up to 3000 m of the 24 - 42 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 6 contact electric heaters inside the roller, with a sensitive in-roll 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 an easy machine maintenance and rollers cleaning. 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 machines' functions. Used PLC system includes many automatic items for an easy machine control and a reliable lamination. The whole machine is controlled by an interactive easy understandable icon touch screen 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 through a high speed belt conveyor (for safety loading to the reception unit) into a vibrating jogger (optional) or a pallet stacker (optional).

Laminating Films

The machine laminates the BOPP films (24 – 42 µm), Nylon films (24 – 35 µm) and PET films (20 – 26 µm).

Options

Jogger 760*

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

Pallet Stacker (scissor lift)*

Piling device with 65cm capacity on scissor lift. Automatically controlled down, manual control up.

Pallet stacker (motorized)*

Piling device with 75cm capacity. Fully motorized movement up and down and full enclosure for safe operation.

HOT Knife separator

Knife heated to 300°C used for separation of sheets. The sheets are left without the film remains and can be inserted into printing machine without trouble.

Pallet Feeder

It is fitted with a pallet holder and an adaptor for a full pallet of paper. Its capacity is a 65 cm paper pile. The pallet can be manipulated from the front and it requires another space for the manipulation.

Foliant Foiler

Winding device that allows use of metalized film (gold, silver, red, etc.) and spot varnish film.

Film Loader/Manipulator

It is an external independent electric lift with a film core adaptor for loading heavy rolls of film (max. capacity 125 kg). Battery operated.

Anti-static bar

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

*Important – the machine must be operated either with a Pallet Stacker or with a Jogger.

Optional Pallet Feeder

Optional Pallet Stacker

Optional Jogger

Foliant Pollux 760 NG			
Max Speed	50 m / min	**Film Micro Adjustment Air Shaft**	Standard
Max Performance	3000 B1 / hour	**Warming up Time**	8 min
Feeding	Automatic	**Temperature Control**	80 - 140°C
Feeding System	Suction Feeder	**Power Supply**	3 ph., 400 V AC, 50-60 Hz
Feeder`s Load Capacity	55 cm	**Power**	14500 W
Overlaps	Automatic, PLC Control	**Floor space with Jogger (w x l)**	165 x 410 cm
Overlaps Accuracy	+ / - 2 mm	**Weight**	990 kg
Separation	Automatic, Bump Rollers	**Pallet Feeder**	Optional
Paper Weight	115 - 600 gsm	**Pallet Feeder`s Capacity**	65 cm
Main Rollers Pressure	Pneumatic	**Jogger 760**	Optional
External Compressor	200 l/ min, 6 - 8 bar	**Pallet Stacker**	Optional, 65 cm capacity
Min Sheets Size (w x l)	32 x 25 cm	**Foliant Foiler**	Optional
Max Sheets (w x l)	76 x 110 cm	**Film Loader (Electric)**	Optional

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