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FOLIANT MERCURY 760 NG

The **FOLIANT Mercury 760 NG** is a next generation of popular SF version. It is very compact and fast industrial laminating machine, constructed for heavy duty work with an integrated suction feeder, a high speed bump separator and with an optional pallet stacker. **The machine maximum speed is up to 20 m/min.**, while maximum performance is 1200 sheets per hour of B1 portrait or 2400 sheets per hour of B2 landscape (white paper 200 gsm).



FEEDER

The FOLIANT Mercury 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 feeder is fitted with a lifting plate and its capacity is a 40 cm pile of paper.

LAMINATOR

The FOLIANT Mercury 760 NG laminator maximum sheet size is 76 x 110 cm. The minimum sheet size is 32 x 25 cm (A4). The FOLIANT Mercury 760 NG machine is a single sided thermal industrial laminator laminating the paper 115 – 600 gsm, with an „In run“ adjustable de-curl bar.

The roll of a film is mounted on a quick-change shaft with a film tension control breaker. The shaft capacity is up to 3000 m of the 24 - 42 microns film. The film holder unit is equipped with a trim slit 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 a dry electric system inside the roller, with a sensitive in-roll temperature sensor. The warming up time is shorter than 10 minutes. The pressure is pneumatically adjustable, with an extra independent control knob for each roller edge.

The machine is fitted with OMRON Programmable Logic Controllers, which controls all machines' functions. Used PLC system includes many automation items for a machine easy 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 into a vibrating Jogger.

LAMINATING FILMS

The machine laminates the BOPP films (24 – 42 µm) and Nylon films (24 – 35 µm).
The PET films (20 – 26 µm) can be laminated with the optional module only.

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 FEEDER

Standard table is replaced with pallet lift. Capacity increased to 77 cm of paper. Fully enclosed for safety, accessible from operating side and from front of the machine. One trolley included.

FILM MICRO ADJUSTABLE AIR SHAFT

Air shaft for precise and easy film placement.

PET FILMS LAMINATION MODULE (OPTIONAL)

It is a module integrated inside the separator for the PET films (20 – 26 µm) processing.

FOLIANT FOILER

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

FILM LOADER/MANIPULATOR

It is an electric lift with a film core adaptor for loading heavy rolls of film (max. capacity 125 kg). The device is not integrated with the machine. It is only connected with the machine electric circuits.

ANTI-STATIC BAR

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



Optional Film loader



Optional Air shaft



Optional Foliant Foiler

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

Foliant Mercury 760 NG

Max Speed	20 m / min	Max. Sheets Size (w x l)	76 x 110 cm
Max. Performance	1200 B1 / hour	Warming up Time	8 min
Feeding	Automatic	Temperature Control	80 - 140°C
Feeding System	Suction Feeding Head	Power Supply	3 ph., 400 V AC, 50-60 Hz
Feeder's Load Capacity	40 cm	Power	6000 W
Overlaps	Automatic, PLC Control	Floor space with Jogger (w x l)	143 x 330 cm
Overlaps Accuracy	+ / - 2 mm	Weight	810 kg
Separation	Automatic, Bump Rollers	Module for PET Films Processing	Optional
Paper Weight	115 - 600 gsm	Jogger 760	Optional
Main Rollers Pressure	Pneumatic	Film Loader (Electric)	Optional
External Compressor	150 l / min, 6 - 8 bar	Film Micro Adjustment Air Shaft	Optional
Min. Sheets Size (w x l)	32 x 25 cm	Foliant Foiler	Optional