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FOLIANT MERCURY 760 SF

The FOLIANT Mercury 760 SF is a very compact and fast industrial laminating machine, constructed for a heavy duty with an integrated suction feeder and 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 SF 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 SF laminator maximum sheet size is 76 x 110 cm. The minimum sheet size is 30 x 25 cm (A4). The FOLIANT Mercury 760 SF 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 - 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 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 (optional) or a pallet stacker (optional).

LAMINATING FILMS

The machine laminates the BOPP films (23 – 42 microns) and Nylon films (max. 35 microns). The PET films (max. 35 microns) can be laminated with the optional module only.

OPTIONS

JOGGER 760 (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.

PALLET STACKER 760 (OPTIONAL)*

It is a device equipped with a pallet trolley, pneumatically controlled from the machine PLC, which loads the laminated sheets into a high pile. Its capacity is 65 cm pile of sheets. It is based on a manual scissors lift table (hydraulic) and sensors for its pneumatic control. The pallet can be manipulated either from the operator's side (it saves the manipulation space) or from behind.

FILM MICRO ADJUSTABLE AIR SHAFT (OPTIONAL)

Air shaft for precise and easy film placement.

NON-STICKY PRESSURE ROLLER (OPTIONAL)

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.

PET FILMS LAMINATION MODULE (OPTIONAL)

It is a module integrated inside the separator for the PET films (max. 30 microns) processing.

FILM LOADER/MANIPULATOR (OPTIONAL)

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.

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



Optional Film loader



Optional Pallet Stacker

Foliant Mercury 760 SF

Max Speed	20 m / min	Warming up Time	8 min
Max. Performance	1200 B1 / hour	Temperature Control	80 - 140°C
Feeding	Automatic	Power Supply	3 ph., 400 V AC, 50-60 Hz
Feeding System	Suction Feeding Head	Power	6000 W
Feeder's Load Capacity	40 cm	Floor space (w x l) incl. a Jogger	140 x 330 cm
Overlaps	Automatic, PLC Control	Weight	680 kg
Overlaps Accuracy	+ / - 2 mm	Module for PET Films Processing	Optional
Separation	Automatic, Bump Rollers	Jogger 760	Optional
Paper Weight	115 - 600 gsm	Pallet Stacker 760	Optional
Main Rollers Pressure	Pneumatic	Pallet Stacker Capacity	65 cm
External Compressor	150 l / min, 6 - 8 bar	Film Loader (Electric)	Optional
Min. Sheets Size (w x l)	20 x 30 cm	Film Micro Adjustment Air Shaft	Optional
Max. Sheets (w x l)	76 x 110 cm	Non-sticky pressure roller	Optional