FOLIANT MERCURY 530 NG

The FOLIANT Mercury 530 NG is a next generation of popular SF version. It is very compact industrial laminating machine, constructed for a heavy duty digital and offset outputs lamination. It is equipped with an integrated suction feeder Heidelberg and a high speed bump separator. Several options are available for the Mercury machine – Foliant Foiler, non-sticky pressure roller, pallet stacker, etc. Due to its high pressure system, format and performance the machine is suitable for all jobs – all kinds of digital printed sheets lamination and high volumes of offset printed sheets size B2+ lamination too. **The machine maximum speed is up to 27 m/min**., while performance is 2300 sheets per hour of B2 portrait (white paper 200 gsm).

FEEDER

The FOLIANT Mercury 530 NG is equipped with a rising pile back separation stream feeder and with a suction feed head Heidelberg. It is driven by an Omron servo motor and controlled by a machine central PLC. The Becker vacuum pump is used for sheets back 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 54 cm pile of paper.

LAMINATOR

The FOLIANT Mercury 530 NG laminator maximum sheet size is 53 x 75 cm. The minimum sheet size is 32 x 25 cm (A4).The FOLIANT Mercury 530 NG machine is a single sided thermal industrial laminator, laminating the 115 – 600 gsm paper.

The laminating unit is equipped with an adjustable twin decurl unit:

- With a decurl blade for offset printed sheets decurling
- With a decurl roller for digital printed sheets decurling (to prevent the scratches on sheets printed on both sides by digital print with sensitive inks).

The roll of a film is mounted on a quick-changed 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 slitter and a perforating wheel.

The machine is fitted with OMRON PLC, which control all machines' functions. The used PLC system includes many automation items for an easy control of the machine 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 BOPP films (24 – 42 μm), Nylon films (24 – 35 μm) and PET films(20 – 26 μm).

OPTIONS

JOGGER 400

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 – INTEGRATED AUTOMATIC

Fully automatic device that unloads laminated sheets into a high pile on pallet. Its capacity is 70 cm of paper.

NON-STICKY PRESSURE ROLLER (UP TO 2X)

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.

FOLIANT FOILER

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

FILM MICRO ADJUSTABLE AIR SHAFT (UP TO 2X)

Air shaft for precise and easy film placement.

XL MODULE

Longer feeding table, extends maximum paper length up to 100 cm. Sheets with length over 70 cm cannot be unloaded to Integrated pallet stacker.
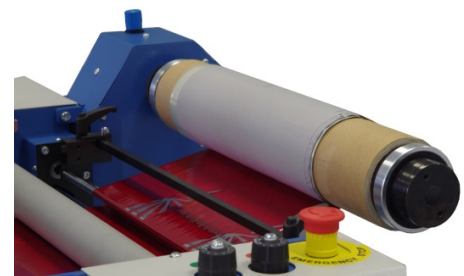
FILM LOADER/MANIPULATOR

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`s electric circuits.

Optional Jogger

Optional Pallet Stacker

Optional Foliant Foiler

Foliant Mercury 400 NG 4x4 double			
Max Speed (single / double)	27 / 25 m / min	**Warming up Time**	8 min
Max. Performance	3240 / 3000 B3 / hour	**Temperature Control**	80 - 140°C
Feeding	Automatic	**Power Supply**	3 ph., 400 V AC, 50-60 Hz
Feeding System	Suction Head Heidelberg	**Power**	7650 W
Feeder`s Load Capacity	54 cm	**Floor space with Jogger (w x l)**	105 x 310 cm
Overlaps	Automatic, PLC Control	**Weight**	590 kg
Overlaps Accuracy	+ / - 2 mm	**Module for PET Films Processing**	Optional
Separation	Automatic, Bump Rollers	**XL Module (sheets up to 1 m)**	Optional
Paper Weight	115 - 600 gsm	**Jogger 400**	Optional
Main Rollers Pressure	Pneumatic	**Pallet Stacker (motorized)**	Optional
External Compressor	150 l / min, 6 - 8 bar	**Pallet stacker capacity**	70 cm
Min. Sheets Size (w x l)	32 x 25 cm	**Foliant Foiler**	Optional
Max. Sheets (w x l)	40 x 70 cm	**Film Loader (Electric)**	Optional
Film Micro Adjustable Air Shaft	Optional, up to 2x	**Non-sticky pressure roller**	Optional, up to 2x

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