

FOLIANT TAURUS 530 SF

The FOLIANT Taurus 530 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 an optional pallet feeder and pallet stacker. Due to its 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 35 m/min., while performance is 2500 sheets per hour of B2 portrait (white paper 200 gsm).



FEEDER

The FOLIANT Taurus 530 SF is equipped with a rising pile back separation stream feeder and 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 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 65 cm pile of paper.

LAMINATOR

The FOLIANT Taurus 530 SF laminator maximum sheet size is 53 x 74 cm. The minimum sheet size is 30 x 25 cm (A4). The FOLIANT Taurus 530 SF machine is a single sided thermal industrial laminator, laminating the 115 – 600 gsm paper, with a unique „U“ cross bar for the thin sheets flat and safety high pressure lamination, mounted in the front of the main laminating rollers.

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 scratches on sheets printed on both sides by digital print with sensitive inks).

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 - 31 microns film. The film holder unit is equipped with a trim splitter 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 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 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 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 530 (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 (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.

PALLET FEEDER (OPTIONAL)

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

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. 35 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's electric circuits.

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



Optional Jogger



Optional Pallet Stacker



Optional Film loader

Foliant Taurus 530 SF

Max Speed	35 m / min	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	65 cm	Power	7000 W
Overlaps	Automatic, PLC Control	Floor space (w x l)	114 x 260 cm
Overlaps Accuracy	+ / - 2 mm	Weight	530 kg
Separation	Automatic, Bump Rollers	Module for PET Films Processing	Optional
Paper Weight	115 - 600 gsm	Pallet Feeder	Optional
Main Rollers Pressure	Pneumatic	Pallet Feeder's Capacity	65 cm
External Compressor	150 l / min, 6 - 8 bar	Jogger 530	Optional
Min. Sheets Size (w x l)	30 x 25 cm	Pallet Stacker	Optional
Max. Sheets (w x l)	53 x 74 cm	Pallet Stacker Capacity	65 cm
Max. Performance	2500 B2 / hour	Film Loader (Electric)	Optional
Film Micro Adjustable Air Shaft	Standard	Non-sticky pressure roller	Optional