



FOLIANT TAURUS 530 NG

The **FOLIANT Taurus 530 NG** is a next generation of popular SF version. It is very compact and fast industrial laminating machine, constructed for non-stop work. It is equipped with a suction feeder, high speed bump separator and many options like non-sticky roller pallet stacker or Foiler. 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 40 m/min.**, while performance is up to 3400 sheets per hour of B2 portrait (white paper 200 gsm). It means the performance is 14% higher than its SF predecessor.



FEEDER

The FOLIANT Taurus 530 NG 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 54 cm pile of paper.

LAMINATOR

The FOLIANT Taurus 530 NG laminator maximum sheet size is 53 x 75 cm, extendable to 100 cm with optional XL module. The minimum sheet size is 32 x 25 cm. The FOLIANT Taurus 530 NG machine is a single sided thermal industrial laminator, laminating the 115 – 600 gsm paper, with an unique „U“ cross bar for perfect lamination of thin sensitive sheets.

The laminating unit is equipped with twin decurl unit adjustable during run:

- With a decurl blade for strong de-curling effect. The intensity is adjusted by the angle of the blade.
- With a decurl roller for weaker effect. The back print is protected during the de-curling because the paper is not rubbing against the roller but it is rotating together with it.

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 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 which consists of several rings mounted directly to inner wall of the roller. This ensures that heat transfer is perfect even at maximum speed. A sensitive temperature sensor is also inside the roller as close

to surface as possible. 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 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 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 530*

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

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.

XL MODULE

Longer feeding table, extends maximum paper length up to 100 cm. Sheets with length over 75 cm cannot be unloaded to Integrated pallet stacker.

PET FILMS LAMINATION MODULE

It is a module integrated inside the separator for the PET films (max. 25 microns) processing.

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 Taurus 530 NG

Max Speed	40 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	54 cm	Power	6550 W
Overlaps	Automatic, PLC Control	Floor space with Jogger (w x l)	120 x 270 cm
Overlaps Accuracy	+ / - 2 mm	Weight	600 kg
Separation	Automatic, Bump Rollers	Module for PET Films Processing	Optional
Paper Weight	115 - 600 gsm	XL Module (sheets up to 1 m)	Optional
Main Rollers Pressure	Pneumatic	Jogger 530	Optional
External Compressor	150 l / min, 6 - 8 bar	Pallet Stacker (motorized)	Optional, 70 cm capacity
Min. Sheets Size (w x l)	32 x 25 cm	Foliant Foiler	Optional
Max. Sheets (w x l)	53 x 75 cm	Film Loader (Electric)	Optional
Max. Performance	3400 B2 / hour	Non-sticky pressure roller	Optional
Film Micro Adjustable Air Shaft	Standard		