

# FOLIANT TAURUS 760 NG

The **FOLIANT Taurus 760 NG** is a next generation of popular SF version. It is very compact and fast industrial laminating machine, constructed for non-stop work with integrated suction feeder, high speed bump separator and with options like pallet stacker or Foliant Foiler. **The machine maximum speed is up to 30 m/min.**, while maximum performance is 1700 sheets per hour of B1 portrait or 3400 sheets per hour of B2 landscape (white paper 200 gsm).



## FEEDER

The FOLIANT Taurus 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 45 cm pile of paper.

## LAMINATOR

The FOLIANT Taurus 760 NG laminator maximum sheet size is 76 x 110 cm. The minimum sheet size is 30 x 25 cm (A4). The FOLIANT Taurus 760 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 an adjustable twin decurl unit:

- With a decurl blade for strong effect
- With a decurl roller for weaker effect and as protection for back print

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 slit 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 inside 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 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 (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.

### FOLIANT FOILER (OPTIONAL)

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

### 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 Foliant Foiler



Optional Film loader

### Foliant Taurus 760 NG

<b>Max Speed</b>	30 m / min	Film Micro Adjustable Air Shaft	Standard
<b>Feeding</b>	Automatic	Warming up Time	8 min
<b>Feeding System</b>	Suction Feeding Head	Temperature Control	80 - 140°C
<b>Feeder's Load Capacity</b>	45 cm	Power Supply	3 ph., 400 V AC, 50-60 Hz
<b>Overlaps</b>	Automatic, PLC Control	Power	8000 W
<b>Overlaps Accuracy</b>	+ / - 2 mm	Floor space (w x l)	138 x 295 cm
<b>Separation</b>	Automatic, Bump Rollers	Weight	710 kg
<b>Paper Weight</b>	115 - 600 gsm	Module for PET Films Processing	Optional
<b>Main Rollers Pressure</b>	Pneumatic	Jogger 760	Optional
<b>External Compressor</b>	150 l / min, 6 - 8 bar	Pallet Stacker	Optional
<b>Min. Sheets Size (w x l)</b>	30 x 25 cm	Pallet Stacker Capacity	65 cm
<b>Max. Sheets (w x l)</b>	76 x 110 cm	Film Loader (Electric)	Optional
<b>Max. Performance</b>	1700 B1 / hour	Foliant Foiler	Optional