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FOLIANT TAURUS 760 NG 4x4

The FOLIANT Taurus 760 NG 4x4 double is brand new double sided laminating machine offering very high performance. 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 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 B1+ lamination too. **The machine maximum speed is up to 30 m/min. in single side lamination and double side lamination as well**, while performance is up to 1800 sheets per hour of B1 portrait (white paper 200 gsm).



FEEDER

The FOLIANT Taurus 760 NG 4x4 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 40 cm pile of paper.

LAMINATOR

The FOLIANT Taurus 760 NG 4x4 laminator maximum sheet size is 76 x 110 cm.. The minimum sheet size is 32 x 25 cm. The FOLIANT Taurus 760 NG 4x4 machine is double 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 pair of laminating rollers for each side - a highly polished chrome roller, and a hard rubber pressure roller. Both chrome rollers are heated with a dry electric system inside, which consists of several rings mounted directly to inside wall of the roller. This ensures that heat transfer is perfect even at maximum speed. Sensitive temperature sensors are also inside the

rollers 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 pressure 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), PET films (20 – 26 µm [single sided, 20-22 µm double sided]) and Nylon films (24-35 µm; single sided 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.

PALLET FEEDER (OPTIONAL)

Standard table is replaced with pallet lift. Capacity increased to 77 cm of paper. Fully enclosed for safety, accessible from operating side and from front of the machine. One trolley included.

FOLIANT FOILER (OPTIONAL)

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

FILM LOADER/MANIPULATOR (OPTIONAL)

It is an electric lift with a film core adaptor for loading heavy rolls of film (max. capacity 90 kg). Battery driven for seamless operation.

ANTI-STATIC BAR

Pair of ionization bars that remove static charge from laminated paper.



Optional Jogger



Optional Foliant Foiler



Optional Pallet Stacker

* Important – the machine have to be operated with Jogger or Pallet stacker

Foliant Taurus 760 NG 4x4 double

Max Speed (single / double)	30 m / min	Max. Sheets (w x l)	76 x 110 cm
Max. Performance	1800 / B1 / hour	Film Micro Adjustable Air Shaft	Standard
Feeding	Automatic	Warming up Time	8 min
Feeding System	Suction Feeding Head	Temperature Control	80 - 140°C
Feeder's Load Capacity	40 cm	Power Supply	3 ph., 400 V AC, 50-60 Hz
Overlaps	Automatic, PLC Control	Power	11300 W
Overlaps Accuracy	+ / - 2 mm	Floor space with Jogger (w x l)	140 x 370 cm
Separation	Automatic, Bump Rollers	Weight	830 kg
Paper Weight	115 - 600 gsm	Jogger 760	Optional
Main Rollers Pressure	Pneumatic	Pallet stacker	Optional
External Compressor	150 l / min, 6 - 8 bar	Foliant Foiler	Optional
Min. Sheets Size (w x l)	32 x 25 cm	Film Loader (Electric)	Optional

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