



FOLIANT Castor 530 SF

The FOLIANT Castor 530 SF is a heavy-duty, high-speed compact industrial laminating machine, constructed with a suction feeder and a high-speed bump separator. It has a walk-in service section and an optional pallet feeder, pallet stacker and film loader. The machine maximum speed is up to 180 feet/min., while the maximum performance is 4,600 sheets per hour of 19.7" x 27.8" portrait (white paper 200 gsm).



FEEDER

The FOLIANT Castor 530 SF 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 sheet separation. The overlaps are electronically controlled from the touchscreen. The accuracy is +/- 0.08" (2 mm) under-lap (in a constant speed). The standard feeder is fitted with a lifting plate and its capacity is 25.5" paper pile.

LAMINATOR

The FOLIANT Castor 530 SF laminator's maximum sheet size is 20.8" x 29.5". The minimum sheet size is 12.5" x 9.8" (A4). The FOLIANT Castor 530 SF machine is a single-sided thermal industrial laminator, laminating paper 115 – 600 gsm, with an unique "U" cross bar for thin flat sheets and high pressure lamination, mounted in front of the main laminating rollers, with an "In-run" adjustable de-curl bar.

The roll of film is mounted on an air shaft that allows very convenient, easy and precise film positioning. The shaft capacity is up to 9,842' of the 24 - 42 microns film. The film holder unit is equipped with a trim splitter and a perforating wheel.

The laminating process is done between two laminating rollers - a highly polished chrome roller and a lower hard rubber pressure roller. The laminating roller is heated with 4 contact electric heaters inside the roller, with a sensitive in-roll temperature sensor. The pressure is pneumatically adjustable, with an extra independent control knob for each roller edge.

The pressure of pulling rollers is controlled with a pneumatic control knob. There is a service "walk-in" section between the machine laminating rollers and the pulling rollers for easy machine maintenance and roller cleaning.

The machine is fitted with OMRON Programmable Logic Controllers, which control all of the machine's functions. The PLC system includes many automation items for the machine for easy control and reliable lamination. The whole machine is controlled by an interactive easy-to-understand icon touchscreen 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's 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 microns), Nylon films (max 35 microns) and PET films (max. 25 microns).

OPTIONS:

JOGGER 530*

The Jogger 530 is an adjustable vibrating reception unit for stacked laminated sheets. Its capacity is limited up to a 3.9" sheet pile.

NON-STICKY PRESSURE ROLLER

The standard rubber pressure roller is replaced by a roller with a non-sticky surface. Melted glue from the film cannot stick to it even under heavy pressure. Cleaning of this roller is not necessary at all. It allows for the laminating of sheets with windows.

PALLET STACKER*

The Pallet Stacker 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 25.5" sheet pile. 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

The Pallet Feeder is fitted with a pallet holder and adapter for a full pallet of paper. Its capacity is 25.5" paper. The pallet can be manipulated from the front and it requires another space for the manipulation.

FILM LOADER/MANIPULATOR

The Film Loader/Manipulator is an electric lift with a film core adapter for loading heavy rolls of film (max. capacity 275.5 lbs). This 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.

*Because the quality of lamination depends on a combination of many factors (film and paper quality, printing technology being used, etc.), the actual speed of operation will vary depending on these factors.



Optional Pallet Feeder



Optional Jogger



Optional Pallet Stacker

Foliant Castor 530 SF

Max Speed	180' / min	Film Micro Adjustable Air Shaft	Standard
Max. Performance	4600 19.7" x 27.8" SPH	Warm Up Time	10 min
Feeding	Automatic	Temperature Control	176° - 284°F
Feeding System	Suction Feeder	Power Supply	3 ph., 400 V AC, 50-60 Hz
Feeder's Load Capacity	25.5"	Power	9650 W
Overlaps	Automatic, PLC Control	Floor Space with Jogger (W x L)	53" x 145.5"
Overlaps Accuracy	+ / - 0.08" (2 mm)	Weight	1,819 lbs
Separation	Automatic, Bump Rollers	Pallet Feeder	Optional
Paper Weight	115 - 600 gsm	Pallet Feeder's Capacity	25.5"
Main Rollers Pressure	Pneumatic	Jogger 530	Optional
External Compressor	200 l / min, 6 - 8 bar	Pallet Stacker	Optional
Min. Sheet Size (W x L)	12.5" x 9.8"	Pallet Stacker Capacity	25.5"
Max. Sheet (W x L)	20.8" x 29.5"	Film Loader (Electric)	Optional

The information in this document is subject to change without notice.