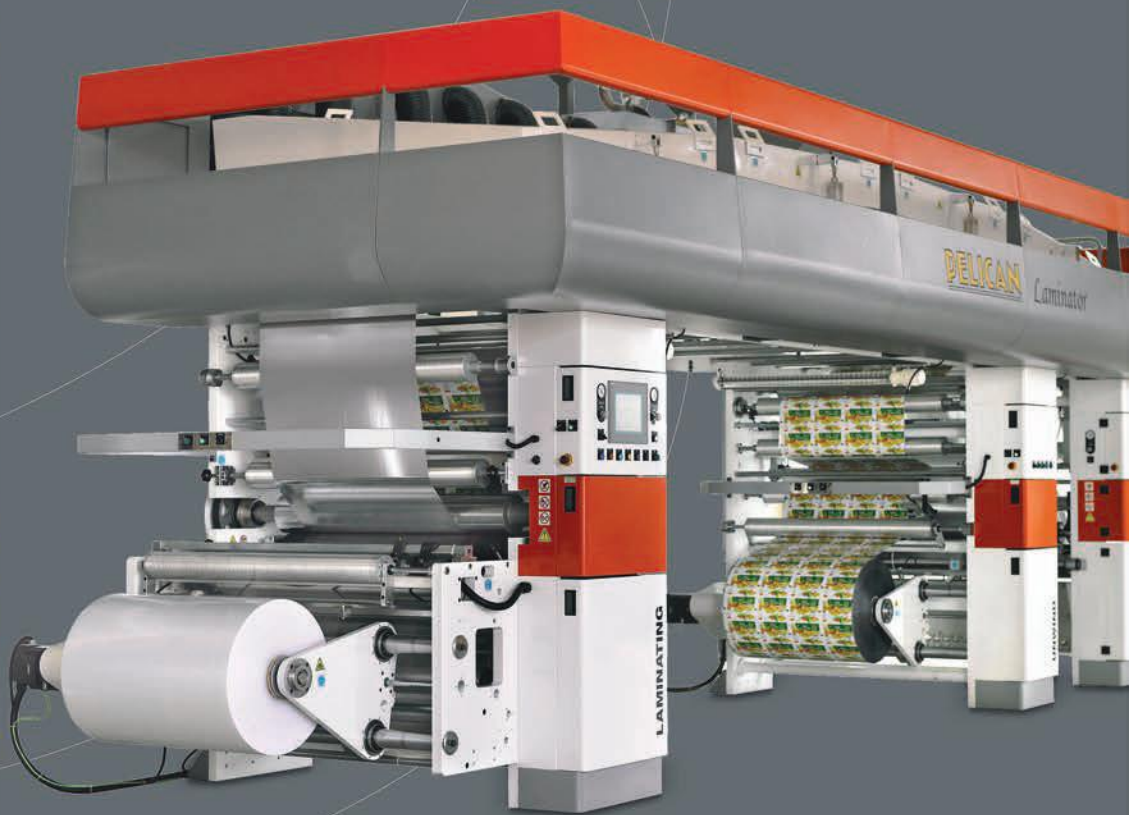


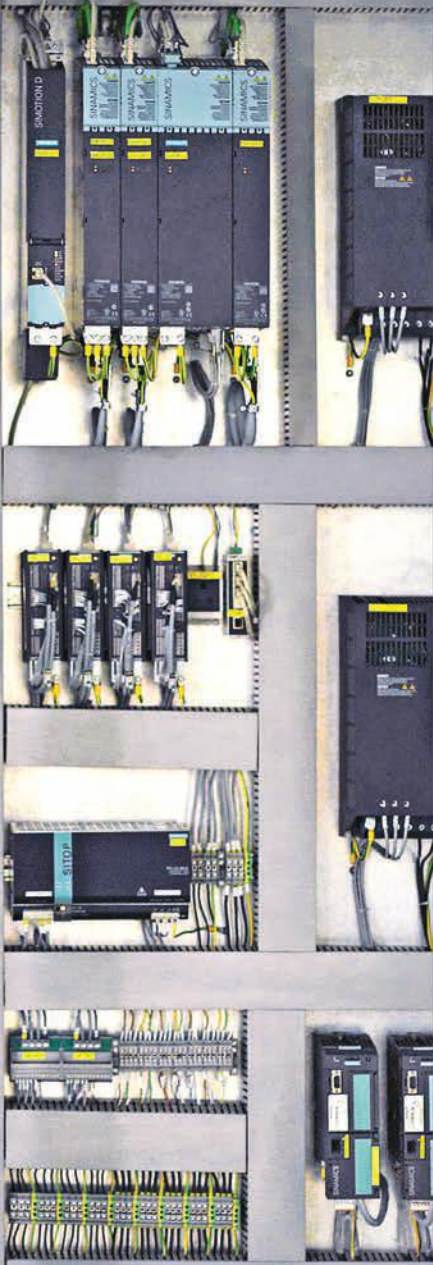
PELICAN

Solvent - Base
Laminator



Sololam ^{SB}

Innovative
engineering at..EXCELLENCE...



The Machine

Created to cover the growing needs of solvent-base lamination on flexible packaging market. Enhanced performance, on one hand, and the easy operating features on the other, are the main reason to select this machine, joined with its ability to handle a wide range of laminating jobs. The machine has been specifically designed, focusing on short and medium runs on solvent-base applications over plastic films.

By perfectly integration of the new generation of electronics and ergonomically designed mechanical components, the machine is made to deliver optimum performance and productivity.



Control system

Servo based closed loop controller for web handling by using latest generation of electronics. Entire machine operation is controlled and supervises by high performance motion controller having its own intelligent software.

Master operator control panel consists of touch screen operating interface facilitates ease in operation. Safety of operator, machine and electronic modules are achieved with the help of necessary hardware protection and intelligent software routines.



Doctor blade group

Specially designed doctor blade group ensures a straight profile of the blade resulting in lesser blade pressure, better printing quality and longer cylinder life.



Frame Structure

Distinctively designed and precisely machined, strong and sturdy, steel frame structure, with stiffening tie-rods; maintains accuracy over long dependable life and ensures less vibration even with optimum line speed. The structure enhances illumination of the working area.

The mechanical construction of each component, which undergoes extensive tests, ensures optimum performance and longer equipment life.



Coating Unit

Coating unit is transmitted by an AC servomotor through a gear Box. Speed can be set by means of push buttons and monitored on the display (touch screen or HMI) The AC servo drive ensures that the set speed is maintain



Shaft-less Unwinders & Rewind Group

Shaft-less unwind & rewind web tension controlled by using latest generation Servo Motor and Servo Drive. The system maintains the set tension precisely throughout the reel run The system mainly composed of AC Servo Drive and Servo Motor, pneumatically loaded low friction dancing roller assembly and load cell for tension feed-back and actual tension display.

The unwind & rewind arms move on high precision linear bushings and supported on ground chrome-plated steel bars.



Drying System

Drying is obtained by blowing hot air on the web through air nozzles. The optimized airflow minimizes heat consumption and avoids solvent retention in the laminated substrates.

Thermic fluid base 8mtrs insulated drying chamber having Four separate zones which consists of Two AC frequency drive controlled blower; thermic fluid heat exchanger, auto temperature controller, air transport duct etc.

Four zones pneumatically open able drying hood for web threading and cleaning



Laminating Unit

The laminator unit comprises a heated chrome plated, ground steel roll, a rider roll, coated with hard rubber & chrome plated steel back-up roller which is driven by pneumatic pistons which can be adjusted at both ends. The steel back-up roller is press against the rubber roller for a total parallelism and to avoid any rubber roller flexion.

The laminator steel roll is driven by an independent motor synchronized with the coating unit motor by load cells, so the tension on the web carrying the adhesive to the point of lamination can be controlled with great precision.



Idle Roller

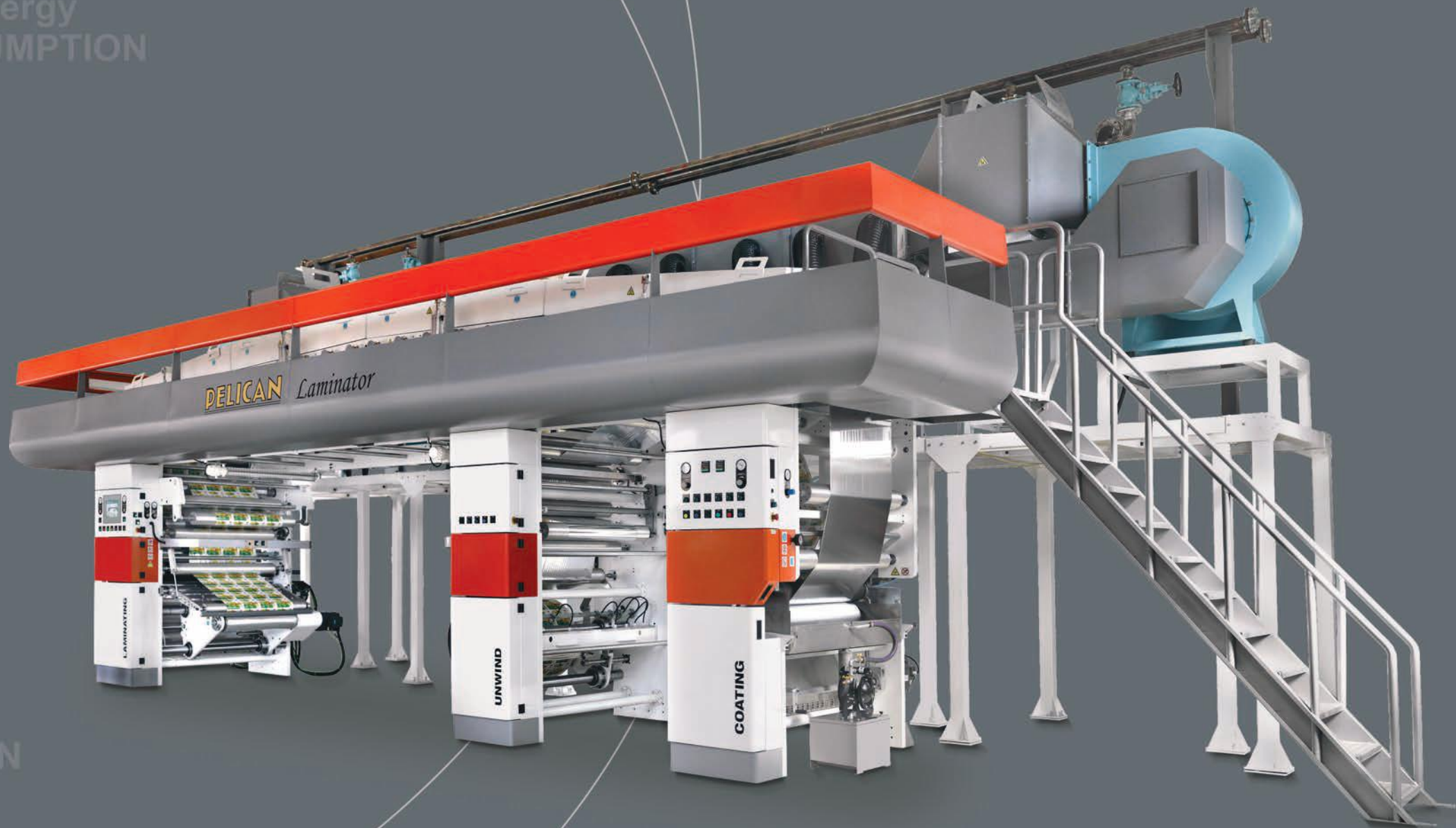
Specially designed, low friction-low inertia, dynamically balanced idle rollers, mounted on low friction bearings to enhance rotational smoothness. Properly grooved, ground and balanced the rollers are made of specially graded anti-corrosion aluminum alloy.

DELICAN

Solvent - Base Laminator

LOWenergy
CONSUMPTION

UNIQUE SERVICE SUPPORT



SAFETY ON
BOARD

FAST
JOB CHANGE OVER

Sololam^{SB}

Pelican's range of converting equipment is designed and developed to achieve high standards in flexible packaging. Its state-of-the-art technology offers excellence in converting solutions.

Machine Speed	:	250 m/min.
Machine Web Width	:	750mm to 1500mm
Core Diameter for Unwinders	:	3" (76mm) & 6" (152mm)
Core Diameter for Rewinder	:	6" (152mm)



Servo Motor



Web Guide



Three Roller
Lamination Nip



Ventilation Module



Dancer & Chill Roll



South Asia

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