



Thermo Laminating Machine

eTL

Fast Lam

The Enprom Thermo laminating machine has been specially designed for flexible packaging markets, pouches and adding value to the quality finishing of the products.

The **Compact solution** is composed by two stages joined with a web path bridge. The first unit supports two unwinders with its control tension units and corona treatment. The second unit contains the rewriter and laminator unit. The machine is rigidly joined by four union beams. The new development of this solution has been designed with the goal of shorten the web path to a maximum and thus reducing waste.

With the Enprom eTL machine, different types of flexible packaging products can be laminated, the main markets being pet food, wet wipes, chips, snacks, cosmetics, beverages, coffee and tea. The Supply includes a **high performance for short run flexible packaging for immediate time to market.**

BENEFITS

- Higher Production speed
- Shorter web path implying waste reduction
- Food safe, no chemical reaction, no chemical migration
- Unwinder and rewinder diameter detector to reduce the set up
- Pneumatic chucks in unwinder and rewinder units for easy and fast loading of rolls
- Slitting unit for finish the roll with trim or different rolls
- Safety guard rewinder pressure roll to avoid accidents with the operator
- Electronic control pressure on the reel rewinder for better tension control and quality
- Safety PLC
- Integrated equipment: corona, chillers and heaters
- Regenerative high-performance control equipment
- Intuitive software that is easy to use and control productivity

TECHNICAL SPECIFICATIONS

GENERAL MACHINE	
MATERIAL WIDTH	300 to 800mm
MAXIMUM MECHANICAL SPEED	150 m/min
INSTALLED POWER	120 KW
VOLTAGE	400V 3Ph 50Hz.
UNWINDERS	
TENSION RANGE	20 to 300N
MAXIMUM REEL DIAMETER	800 mm
INSIDE REEL DIAMETER	3"-6"
MAXIMUM WEIGHT	1.000 Kg
BRAKE SHAFT	Servomotor (Siemens)
WEB GUIDER	Automatic with edge (+/-50mm)
CORONA TREATMENT + EXHAUST SYSTEM	Yes

LAMINATION UNIT	
HOT DRUM LAMINATOR	Servomotor (Siemens)
TEMPERATURE RANGE	70-170°C
RUBBER ROLLER	Automatic press regulation (2 sides)
TEMPERATURE RANGE	30-70°C
COOLING UNIT	
TEMPERATURE RANGE	15-20°C
MOTORIZED	Servomotor (Siemens)
TEMPERATURE CONTROL	Chiller (Water fluid)
REWINDER	
TENSION RANGE	20 to 350N
MAXIMUM REEL DIAMETER	1000 mm
INSIDE REEL DIAMETER	6"
MAXIMUM WEIGHT	1.000 Kg
SHAFT CONTROL	Servomotor (Siemens)
SLITTING UNIT	5 razor blades

