

# FLAME LAMINATING MACHINE

## FOAM UC-2000



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## 1. MACHINE DESCRIPTION

**FOAM UC 2000**, is a machine designed to laminate thermoplastic foams answering to the needs that demand the markets of automotive, decoration, confection, footwear, draperies, etc.

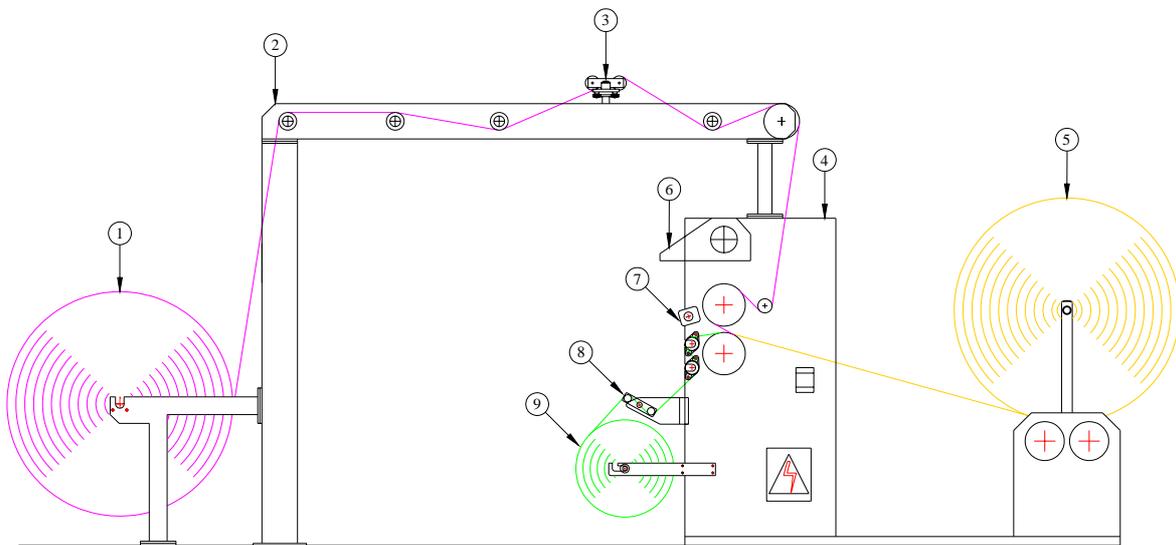
With more than 30 years of experience in the field of the laminated one of foams we have obtained a polyvalent machine provided with the maximum of technical resources for these processes

Basing on formal criteria of hardness, reliability and efficiency, the machine FOAM UC 2000 turns out to be simple to handle, from the tactile screen, with a rapid look we obtain the total information of the process.



## Process

- Flame lamination is a continuous process that, depending on the machine, adheres fabric to one or both sides of the foam in a single pass
- With the model FOAM UC, fabric adheres to one side of the foam
- The process involves the passing of the foam over an flame produced by a gas burner, which creates a thin layer of molten polymer
- Then, the fabric are quickly pressed against the foam while it is still in the molten state
- The strength of the bond depends upon the fabric and foam selected and the processing conditions



1. Foam Unwinder
2. Foam feeder with motorized roller
3. Foam guided system with photoelectric cells
4. Laminating machine
5. Tangential rewinder
6. Fume Extractor
7. Gas burner
8. Expander roller for fabrics
9. Material Unwinder

## 2. MATERIALS

Flame laminating machine are used to join thermoplastic foams and textile, PVC-foils, artificial leather, non-wovens, papers or other materials

## 3. TECHNICAL DATA

Useful width :	2000 mm
Nr. burner	1
Max. Mechanical speed	80 m/ minute
Touch display	For total control of the machine
Installed power	12 kw
Bobbin unwinder Ø	1500 mm
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Band aligned foam (portico)	Electrical - pneumatic
laminating calander regulation	Manual /Micrometric
Calander opening	100 mm
Extensor roller	Low entry of the material
Safety barriers	photoelectrics
System Closes - Opening calander	pneumatic
Refrigeration circuit	En rodillos y quemador
Calander rollers	Rectified / Polished
Speed and tension adjustments	Portico, laminator and rewinder
Control and equipment gas	Authorized