

Model D-Coat



Model TMP-Coat



Model TM-Coat



Model PUR-4

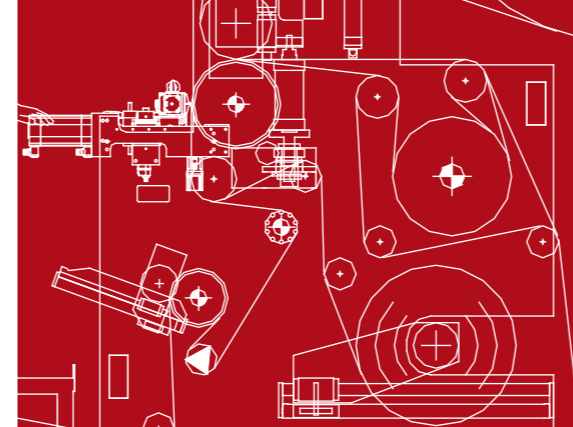


Model PUR-3



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**ZAPPA MACCHINE**  
SINCE 1860

📐 DESIGN

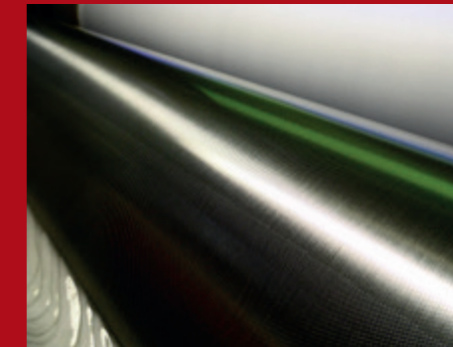
⚙️ MANUFACTURING

🔧 SERVICE

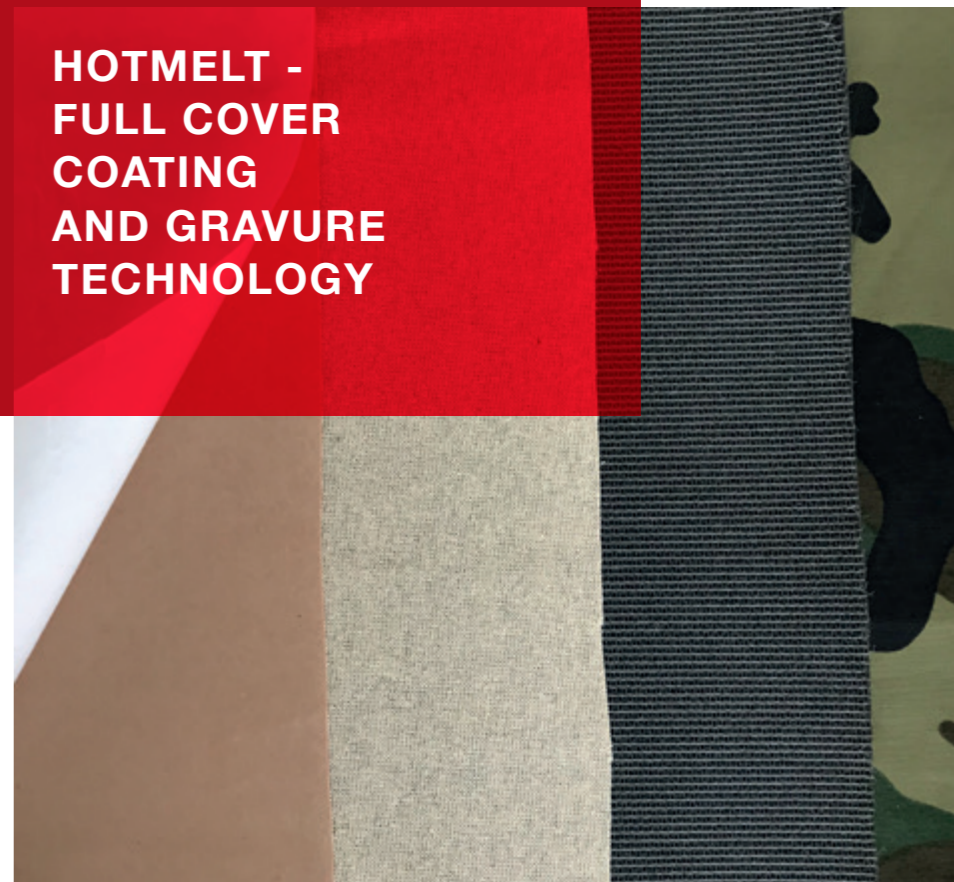
## FINISHING, COATING AND LAMINATING MACHINERY

### HOTMELT

In the year 2000 we developed the revolutionary "Hot melt" lamination technique for woven and knitted fabrics, films, foils, non-woven materials, foams and a wide range of other materials utilizing standard thermoplastic polymers such as coPES, coPA, PSA, EVA as well as reactive polyurethane adhesives PUR. A pilot machine has been installed in our factory to allow prospective customers not only to see the machinery but to be able to conduct trials with their own base materials to prove the viability of the process. This technology is used in endless field of application: active wear and outdoor, automotive interior, mattress ticking, upholstery, furniture, home textile, fusible interlining, technical composite, fashion textile.



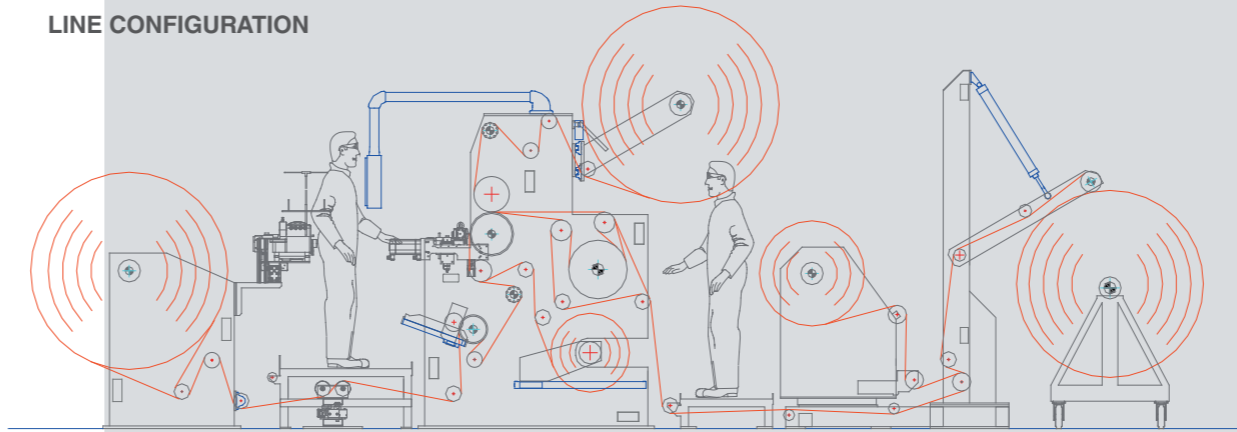
## HOTMELT - FULL COVER COATING AND GRAVURE TECHNOLOGY



# HOTMELT



## LINE CONFIGURATION



### Model. D-Coat Slot die coating and laminating machine

Slot die is a device that is capable of holding a fluid's in temperature, distributing the fluid uniformly and defining a coating width. Can work on air or against the back up roller. The die is comprised of steel body sections that house the fluid flow chamber. This type of coating are widely use in textile industry mainly for show industry and home textile.

The production line is complete of unwinder, winder, recovering self-alignment winder for silicone paper, splicing table for paper/fabric and other no stop devices if required.

The process is usually conducted by coating the silicone paper than transfer on the textile support by calender. Thermo-adhesive hot melt and reactive polyurethane full cover coating is recommended. Production temperature from 50°C to 220°C.

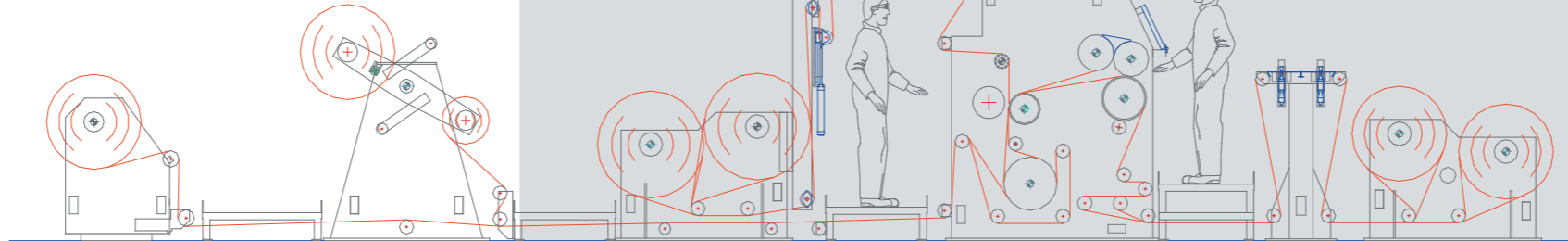
**Web width** from 500 up to 2200 mm.  
**Mechanical speed** 0 – 60 m/min (or more according to client's requirement)  
**Coating** full coating, stripe breathable coating  
**Coating weight** min. min 20 g/sqm



### Model. PUR-4 Gravure Hot melt lamination machine for technical textile

Technology: Doctor blade with engraved roller complete of calendering unit. More sophisticated and advanced model within the range of hot-melt lamination machines, especially designed for breathable membranes lamination. Thermo-adhesive hot melt and reactive polyurethane lamination of fabric, jersey, elastic fabric, film, breathable membranes, foams and abrasive sponges is possible. The machine can be equipped with drum melter for reactive polyurethanes, in 200 liters barrels. Different engraved lamination rollers can be supplied. Especially designed for breathable membranes lamination. Wide possibilities of customization according to client's requirements. The machine can be installed on existing lines; it can be supplied with unwind and rewind unit directly mounted on machine frame or with J-box and rollers accumulator for no-stop production. Equipped with the most innovative and sophisticated devices for the automatic tension control for unwinding and rewinding of products, allowing an easy and smooth work on elastic fabrics.

**Web width** from 500 up to 3000 mm.  
**Mechanical speed** 0 – 60 m/min (or more according to client's requirement)  
**Coating** full coating or dot coating  
**Coating weight** min. 3 g/sqm



### Model. PUR-3 The compact Gravure hot melt lamination machine

Technology: Doctor blade with engraved roller complete of calendering unit. Thermo-adhesive hot melt and reactive polyurethane lamination of fabric, jersey, elastic fabric, film, breathable membranes, foam and abrasive sponges is possible. The machine can be equipped with drum melter for reactive polyurethanes, in 200 liters barrels or with tank melter, melting tank or extruder for adhesive in chips or thermo-adhesive adhesive, or with other accessories. Extremely compact unit for minimum amount of space. The machine can be installed on existing lines; it can be supplied with unwind and rewind unit directly mounted on machine frame or with J-box and rollers accumulator for no-stop production.

**Web width** from 500 up to 3000 mm.  
**Mechanical speed** 0 – 60 m/min (or more according to client's requirement)  
**Coating** full coating or dot coating  
**Coating weight** min. 3 g/sqm



### Model. TM-Coat Hot melt multi-roller coating and laminating machine

Thermo-adhesive hot melt and reactive polyurethane full cover coating of fabric, jersey, film, paper. Field of application composite industry, shoe toe, airbag fabrics, upholstery fabric. The machine can be equipped with drum melter for reactive polyurethanes, in 200 liters barrels or with tank melter or extruder for adhesive in chips or in block. The machine can be installed on existing lines or it can be supplied with unwind, rewind or other devices such as accumulator and turrent winder for no-stop production. Production temperature from 50°C to 250°C.

**Web width** From 500 up to 2600 mm.  
**Mechanical speed** 0 – 50 m/min (or more according to client's requirement)  
**Coating** full coating  
**Coating weight** min. min 20 g/sqm



### Model. TMP-Coat Multi-roller coating an laminating unit for rigid panel

Very easy and useful machine able to coat rigid panel, high viscosity foam and rigid material and laminate with film, fabric or other flexible support. Complete of conveyor belt or support motorized rollers. The machine can be equipped with drum melter for reactive polyurethanes, in 20 or 200 liters barrels

**Web width** from 500 up to 1600 mm.  
**Mechanical speed** 0 – 15 m/min  
**Web width** from 500 up to 1600 mm.  
**Coating** full coating  
**Coating weight** min. min 50 g/sqm

