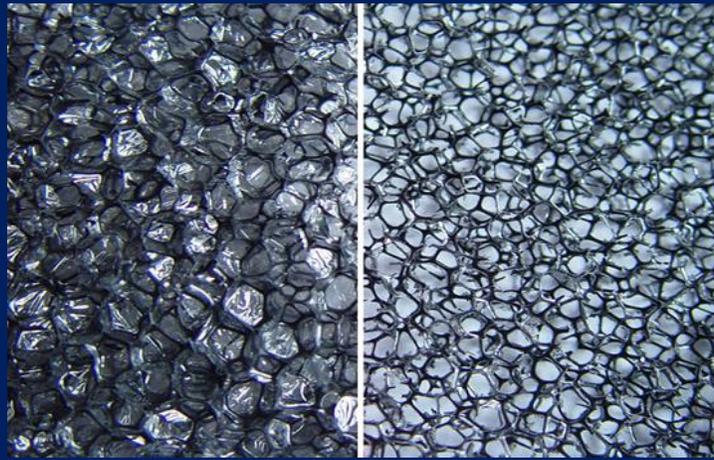




Foam Lamination: Unlimited versatility in materials and adhesives



PO Foam / Melamine



PU Foam / Reticulated



PVC Foam – Mica - Graphite



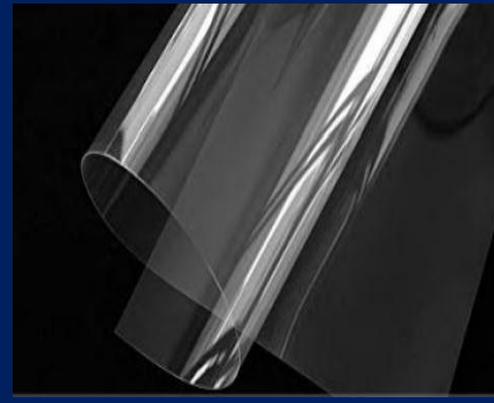
Memory foam – Latex



Powder / Fibers / Granules



Web / Net / Dot



Mono or Multi-Layer Film



Pressure Sensitive (PSA)

Foam Coating and Lamination: Problems and Solutions

Due to WRONG lamination technology

- Overheating
- Compression of (thick) foams
- Destruction of cells, loss of breathability, Yellowing / wrinkles / orange peel effect on surface / air pockets / bubbles
- Stiffening / loss of weight / instability of material / shrinkage

- Low speeds / single side lamination
- De-Lamination
- Contamination of adhesive on visible surface
- Negative environmental impact due to process or adhesive

The Reliant solution :

Roll to Roll, Roll to piece, Piece to Piece

- Controlled and adjustable Temperature and Cooling
- Adaptable tunnel height and adaptable NIP Pressure – GOS
- Floating temperature to ensure the best heat-contact
- 100% Flat Process = stress free lamination
- Quick change of adhesive melting temperature, viscosity and weight

- Multiple layer lamination in 1 pass
- Controlled process: Easy & reproducible Process
- Maximum optical and technical bonding results

- NO Contamination with coating or lamination process
- NO fumes, VOC free process, BIO adhesive lamination



A machine for each technical requirement and volume need

Coolstream MPG

- Belt-widths (mm) : 620, 920 1220, 1620, 1820
- Heating : 1700mm / Cooling 1000mm or all heating 2700mm
- Tunnel Height Adjustment : NO

Capable to process materials upto 12mm (depending on density of materials)

- Pressure NIP GOS : YES , Manual
- Pressure rollers : Different options available
- Speed range : 2-20 m/minute (other options available)

- Pre-joined or endless, mark-free processing belts
- Easy and fast belt changing system
- Wide Range of Power options
- Multiple and individual heating zones – PID controled
- Suitable for processing multi-layer roll to roll, cut pieces and combinations
- Wide range of handling and converting equipment to complete line
- Can work as stand-alone or integrated in processing line

Capable to work with many materials such as textiles, advanced composites, leathers, foams, spacer, etc.





A machine for each technical requirement and volume need

Coolstream TAL B

- Belt-widths (mm) : 650, 950, 1250, 1650, 1850
- Heating : 1600mm / Cooling 800mm or all heating 2400mm
- Tunnel Height Adjustment : YES Range : 0 – 75 mm (0,1mm increments)
- Pressure NIP GOS : YES, Manual
- Pressure rollers : Different options available
- Speed range : 2-20 m/minute (higher speed options available)

- Pre-joined or endless, mark-free processing belts
- Easy and fast belt changing system
- Wide Range of Power options
- Multiple and individual heating zones – PID controled
- Suitable for processing multi-layer roll to roll, cut pieces and combinations
- Wide range of handling and converting equipment to complete line
- Can work as stand-alone or integrated in processing line

Capable to work with many materials such as textiles, advanced composites, leathers, foams, spacer, etc.





A machine for each technical requirement and volume need

Powerbond SPL

- Belt-widths (mm) : 650, 1000, 1250, 1650, 1850, 2250, 2550, 3000, ...
- Heating : 2000mm / Cooling 1300mm
- Modular Heating and Cooling : YES (additions of 1000mm)
- Tunnel Height Adjustment : YES Driven : 0 – 150 mm (0,1mm increments)
- NIP Roller Gap : Yes, driven (Independent from tunnel gap)
- Pressure rollers : Different options available, single or multiple sets
- Speed range : 2-20 m/minute (other speed-range options available)

- Modular construction with extendable heating and cooling sections
- Pre-joined or endless, mark-free processing belts
- Easy and fast belt changing system
- Wide Range of Power options
- Multiple and individual heating zones control (PID)
- Suitable for processing multi-layer roll to roll, cut pieces and combinations
- Wide range of handling and converting equipment to complete line

Capable to work with many materials such as textiles, advanced composites, leathers, foams, spacer, etc.

