

# Press Technology

Overview of Thermofused Melamine Process

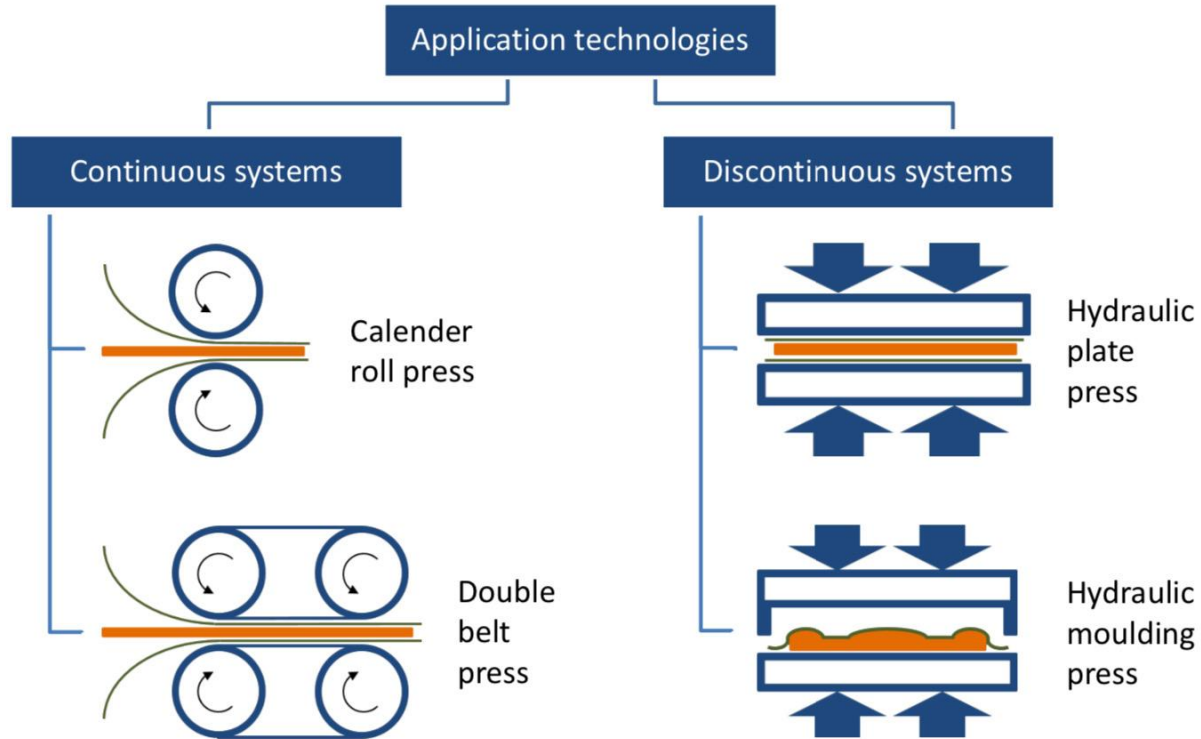
Jean Briere  
Consultant  
2019

# Why Do We Need to Cover the Surface?

- Wood-based panels are typically not suitable to be used as a decorative surface
- Surfaces need protection against moisture and chemicals
- Designs add realism and/or abstract looks
- Mélamine surfacing is a very effective solution

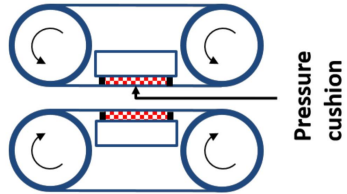


# Solid Surfaces Tehnologies



# TFM Technologies

Double Belt Presses

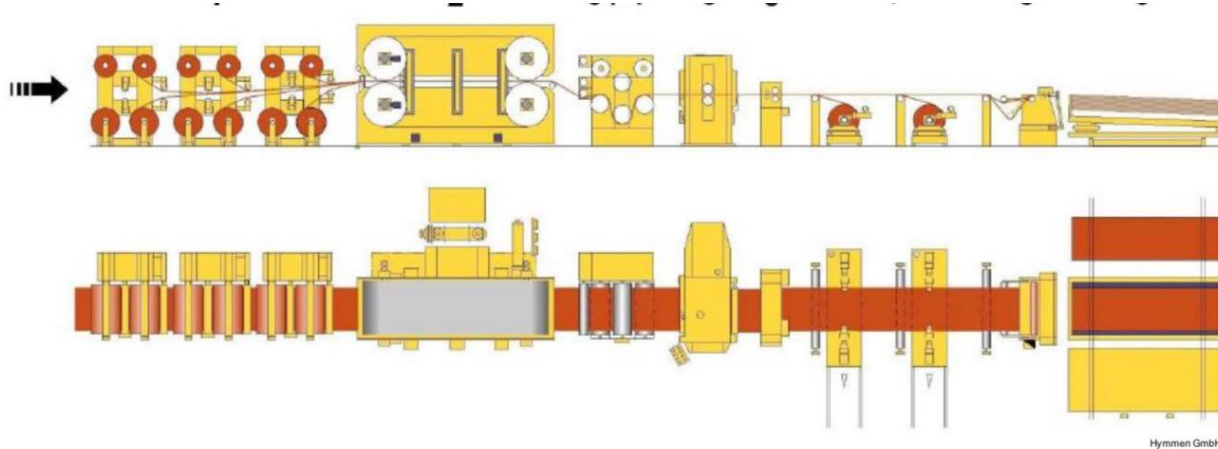


Single Opening Fast Cycle Presses



# Double Belt Presses Process

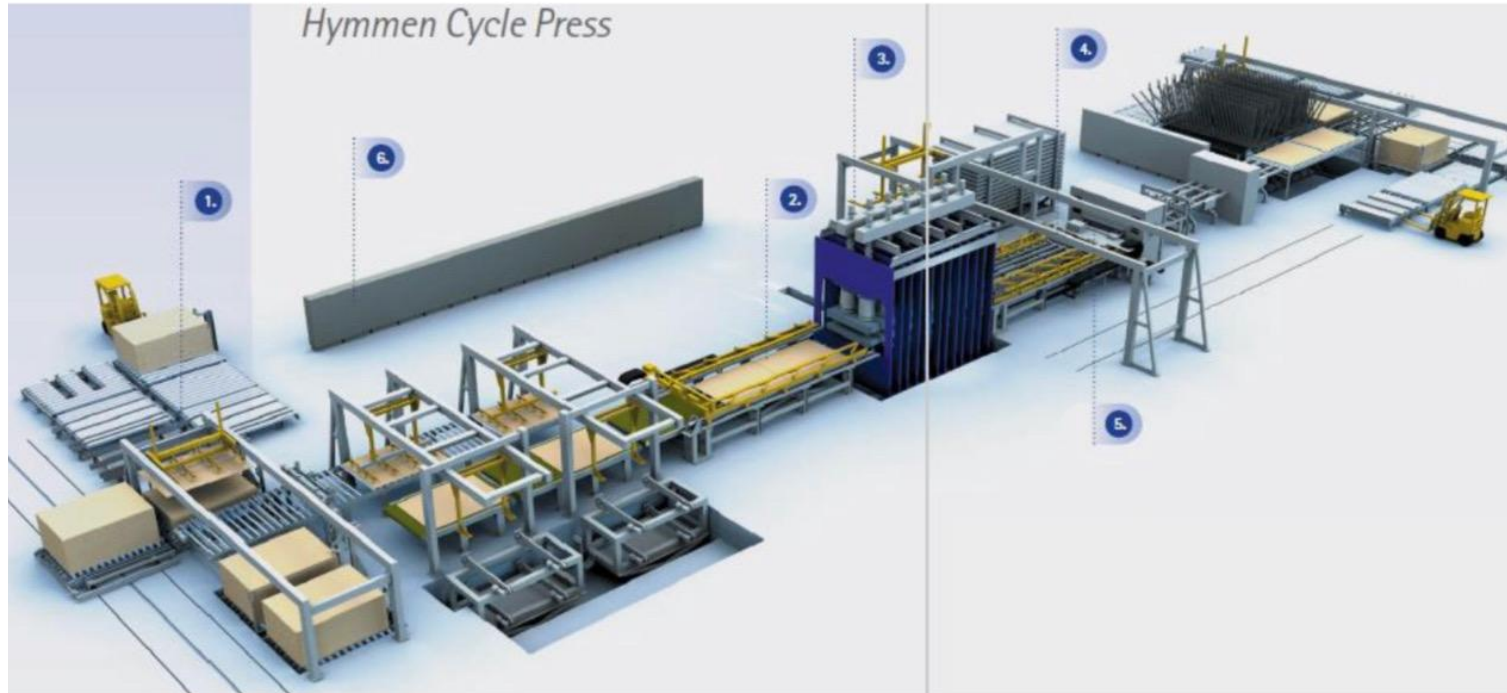
- Isobaric System with hot oil roller and oil/air filled chamber that Keep uniform pressure for a set time (speed/lenght dependant)



# Double Belt Process Parameters

- Type of Finished Process (CPL, Furniture, Flooring)
- Paper Reactivity
- Number of Layers
- Speed of the Line
- Length of the Press

# TFM Fast Cycle Press Process

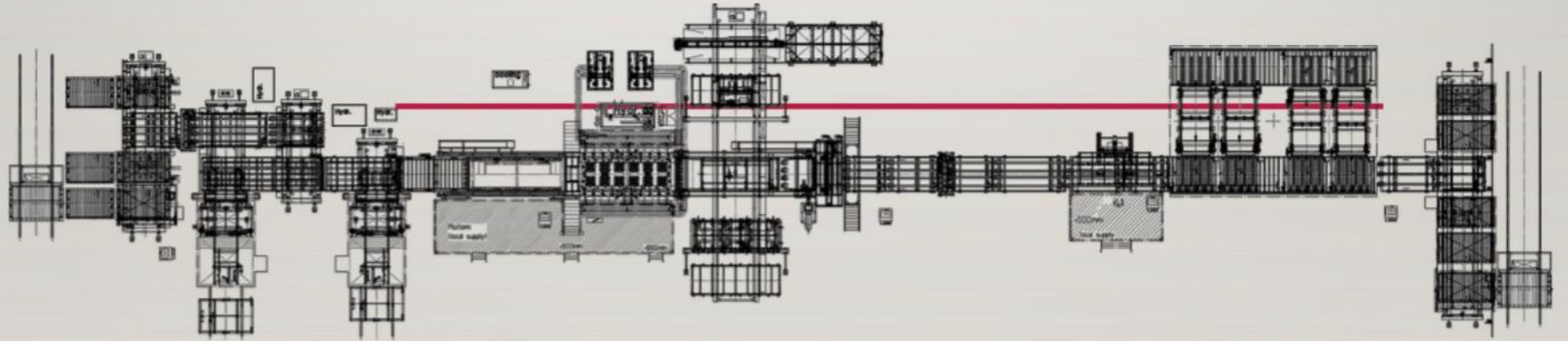


# Short Cycle Press Layout

Raw Board  
Infeed Area

Short Cycle Press with  
Caul Plate Exchange

Finished Board  
Outfeed Area



Paper Lay-up  
Area

Cleaning, Inspection  
and cooling area



# TFM Fast Cycle Press Parameters

- Product Type
  - Furniture, Flooring
- Paper Type and reactivity
  - Solid Color, Wood Grain, paper basis weight, type of catalyst system
- Substrate type
  - Particleboard, MDF, HDF
  - Thickness
- Specification of the Line
  - Specific Pressure
  - Speed of Loading
- Type of Embossing
  - Shallow vs Deep textures, Embossed in Register textures

Questions?



Thank You