

# Thermofix® Technology

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Thermofix® Technology Center

## Development of New Products

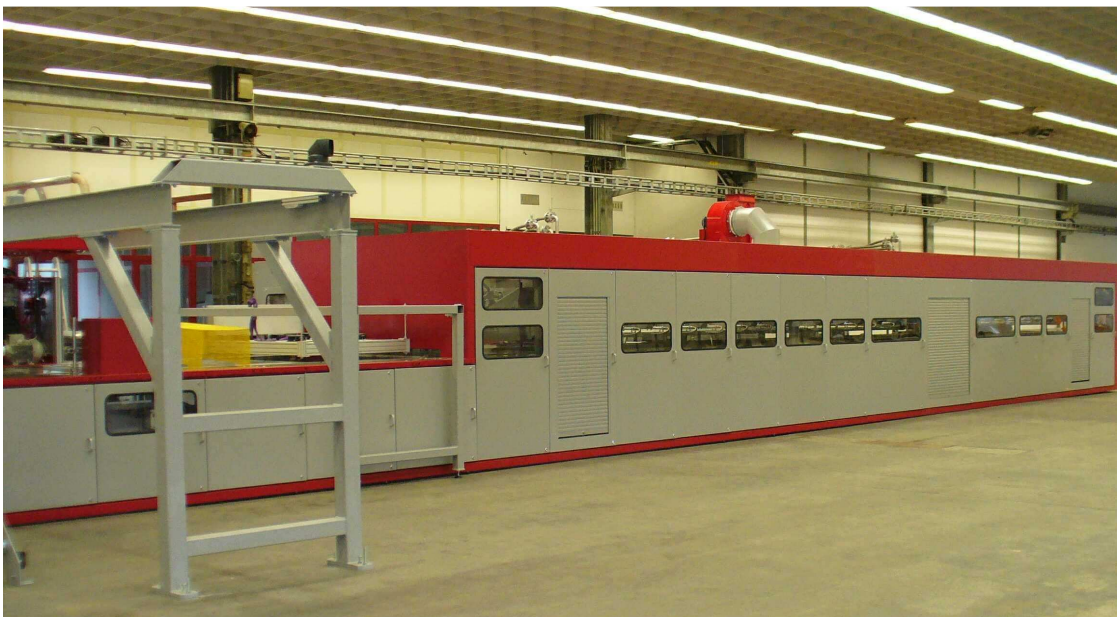
Designed for R&D, Test and Prototype Runs

Small Scale and Pilot Production

### Applications:

Resilient Flooring  
Wood Plastic Laminates (WPL)  
Low Pressure Laminates (LPL)  
Fibres and Plastics Recycling  
Filter Media  
Automotive Interior Components  
Composites

Honeycomb Boards  
Roof Sheeting  
Wood Plastic Composites (WPC)  
Non-Woven  
Electronic Components  
Construction Material



TTC "Thermofix Technology Center"

# THERMOFIX<sup>®</sup> TECHNOLOGY based on DOUBLE BELT PRESS Technology

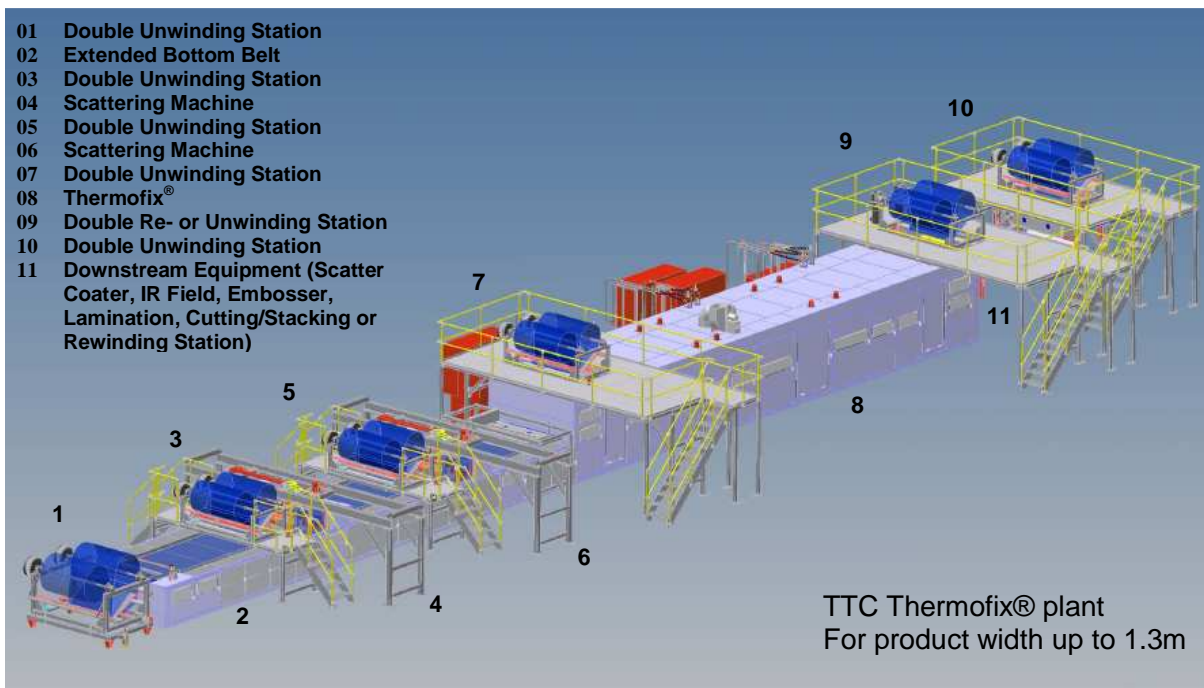
## Method of operation:

Our Thermofix Technology Center is always state-of-the-art and offers a variety of possibilities to develop new products.

The Thermofix plant/machine is highly flexible designed and it is possible to position up to four scattering machines onto the extended bottom belt. Unwinding stations placed in front of the double belt press allow the composition of complex composite structures.

## Technical Data:

- Two scattering units with a maximum scattering width of 1,500 mm (machine model: Precision Scattering Unit) including automatic scattering material feeding system by vacuum. The maximum feeding capacity of this system is up to 2 tons per hour flow rate
- One fibre-precision scattering unit with a maximum scattering width of 1,000 mm
- One laboratory-precision scattering unit with a maximum scattering width of 1,200 mm
- Infrared pre-heating with 6 pieces individually controlled heating zones and a total capacity of 96 kW
- Thermofix<sup>®</sup> with a heating zone of 7 meters, thermal oil heated and a maximum temperature up to 300°C. With water annealing zone of 4 meter length, a minimum temperature of 14°C and a maximum temperature of 180°C
- Width of conveyor belt: 1,500 mm
- Four pairs of pressure rollers with a line pressure of 60 N/cm each
- Six double unwinding stations designed for rolls with a maximum diameter of 800 mm
- Double rewinding station designed for a roll with a maximum diameter of 1,000 mm



Thermofix<sup>®</sup> Technology Center

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Schilling-Knobel GmbH



TECHNOPARTNER SAMTRONIC GmbH