

Modular Double Belt Press

Your Worldwide Flexible Solution





Flexible Production Processes

One of the challenges for production companies is the ongoing change in demand. The Berndorf Band Group, together with its customers, finds ways to produce flexible and cost-efficient at the same time. Therefore, the Modular Double Belt Press offers the best solution for current and future processing needs.

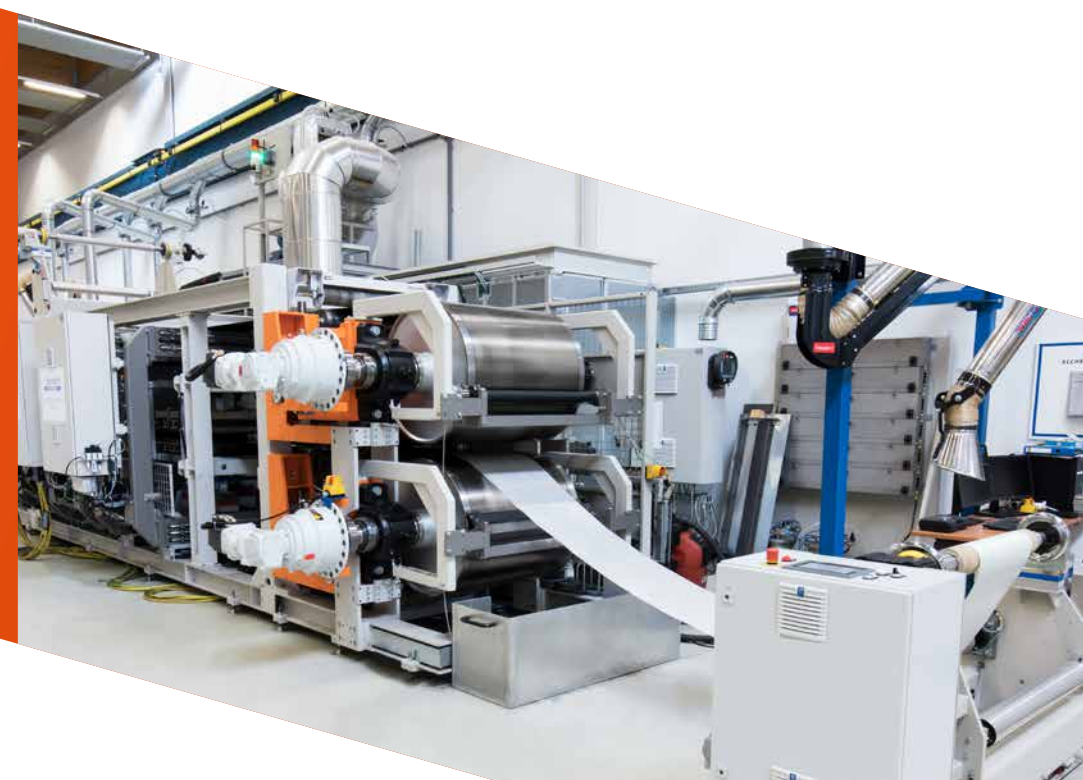
The modular system of the Double Belt Press enables a product specific arrangement of different modules. Due to its flexibility, different press types can be combined in a single production line.

Individual Production Tests in Berndorf

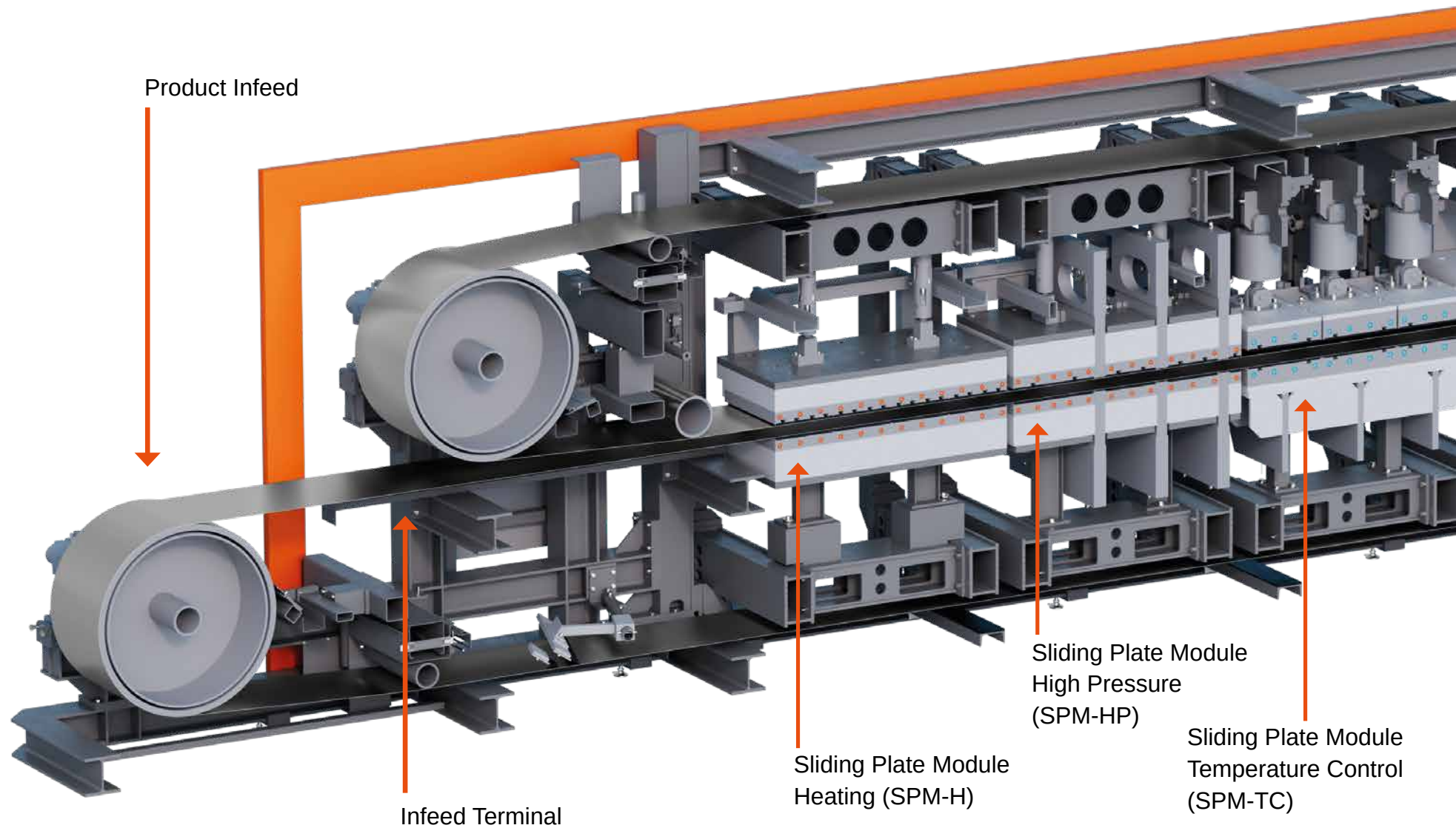
In the R&D Center at Berndorf, AT, customers can convince themselves about the advantages of the Modular Double Belt Press. The interplay of process know-how and state-of-the-art technology represents the optimum decision-making basis for the selection and arrangement of modules according to product requirements.

- » Support by experts for optimal process parameter settings
- » Individual module arrangements
- » Several heating and cooling modules available*
- » Steel Belt width: 800 mm | 31.50 in
- » Process zone length up to 5.5 m | 18 ft

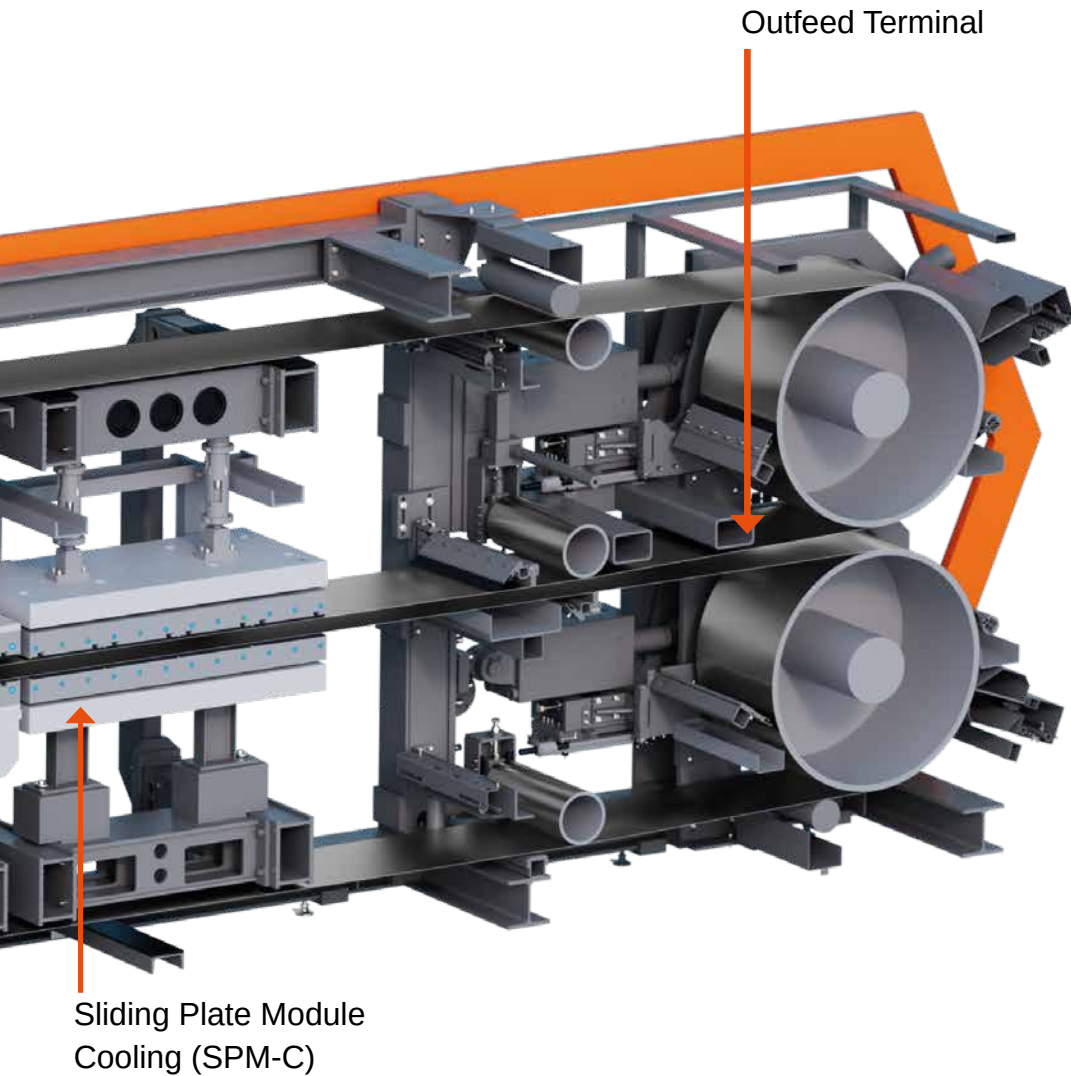
*Heating temperatures up to 420 °C | 788 °F



Flexible Module Arrangement with Different Press Types in One Single Machine*



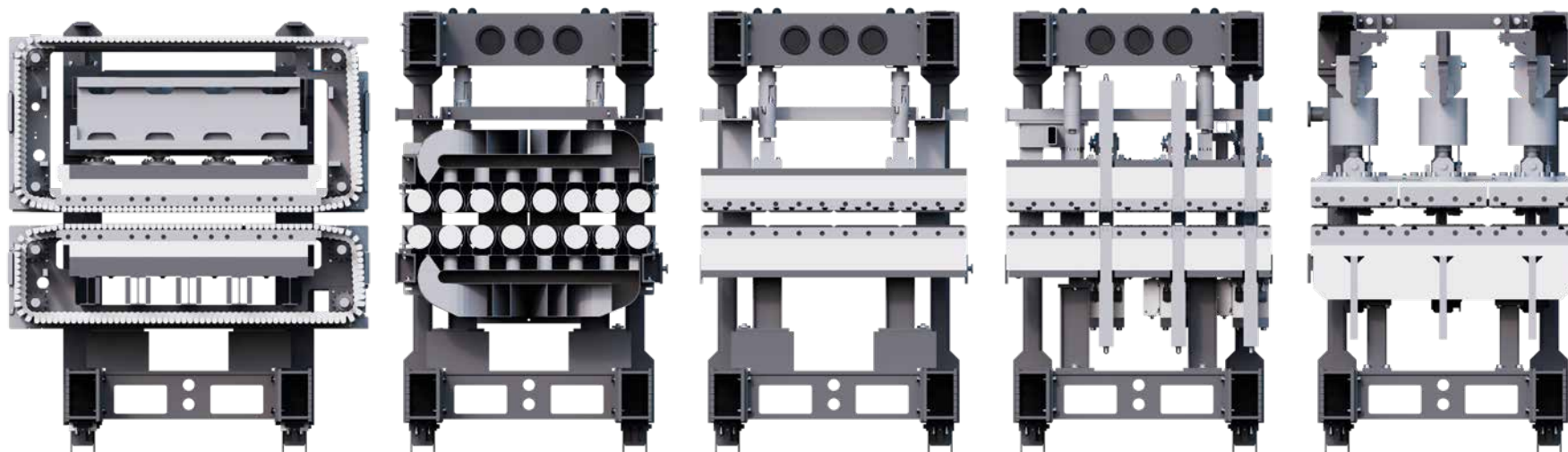
*Symbol picture with an exemplary module configuration



Advantages

- » New module set-up tailored towards the needs of thermoplastic composites
- » Precise process control in terms of polymer specific cooling curves
- » Operating temperature up to 420 °C | 788 °F for processing of high-end polymers
- » Pressure up to 50 bar | 725 PSI ensures highest consolidation levels
- » Quick module exchange without Steel Belt dismantling by Belt widths up to 800 mm | 31.50 in

Various Modules Available

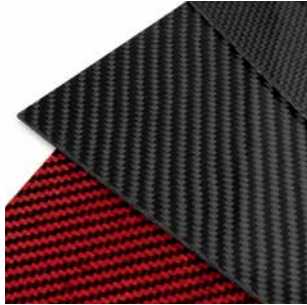


	Roller Carpet Module (RCM)	Fixed Roller Module (FRM)	Sliding Plate Module (SPM)	Sliding Plate Module - High Pressure (SPM-HP)	Sliding Plate Module - Temperature Control (SPM-TC)
Pressure characteristics*					
Process pressure _{max}	20 bar 290 PSI	10 kN/m 57 PLI	2 bar 29 PSI	50 bar 725 PSI	6 bar 87 PSI
Process temperature _{max}	250 °C 482 °F	250 °C 482 °F	420 °C 788 °F	420 °C 788 °F	90 °C 194 °F
Belt width up to	2,150 mm 84.65 in			1,550 mm 61.02 in	
Product feeding width up to	2,000 mm 78.74 in			1,450 mm 57.09 in	

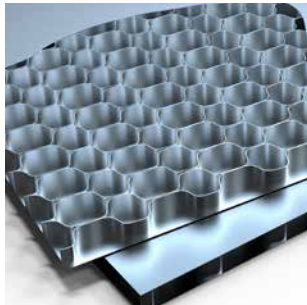
*Schematic illustration. More details upon request

Application Areas

Composites



Woven Fabric Laminate



Honeycomb and Sandwich Panels



UD Tape Laminate

Flooring



Elastic Flooring

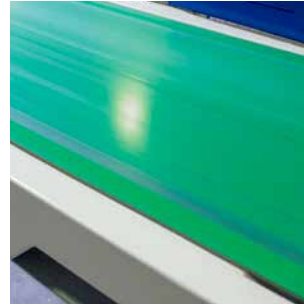


Cork Flooring



Luxury Vinyl Tiles

Synthetic Flatware



Conveyor Belts



Polymer Sheets

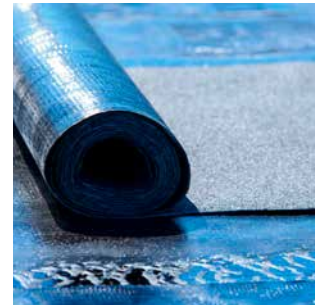


Recycled Sheets

Building & Construction



Sheets for Cladding



Roofing Material



Composite Panel



The application areas for Steel Belts and Belt Systems of Berndorf Band Group are as broad and individual as your requirements. Give us the opportunity to discuss your goals in a personal meeting. Together we will find the right solution for your requirements.

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