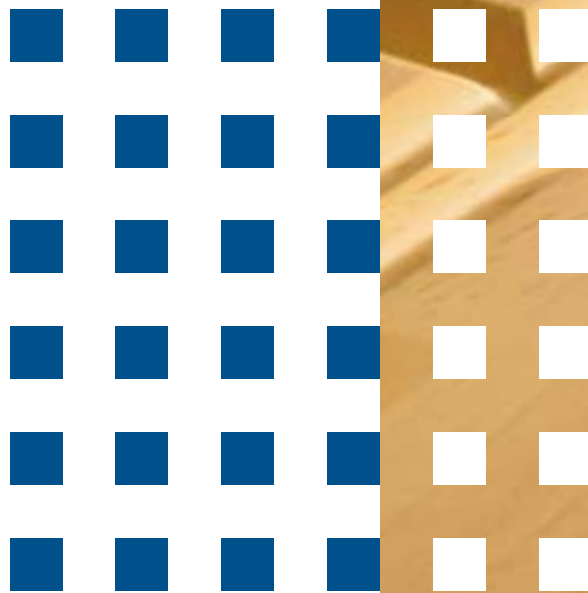




Technology that unites

# 3D Variopresses

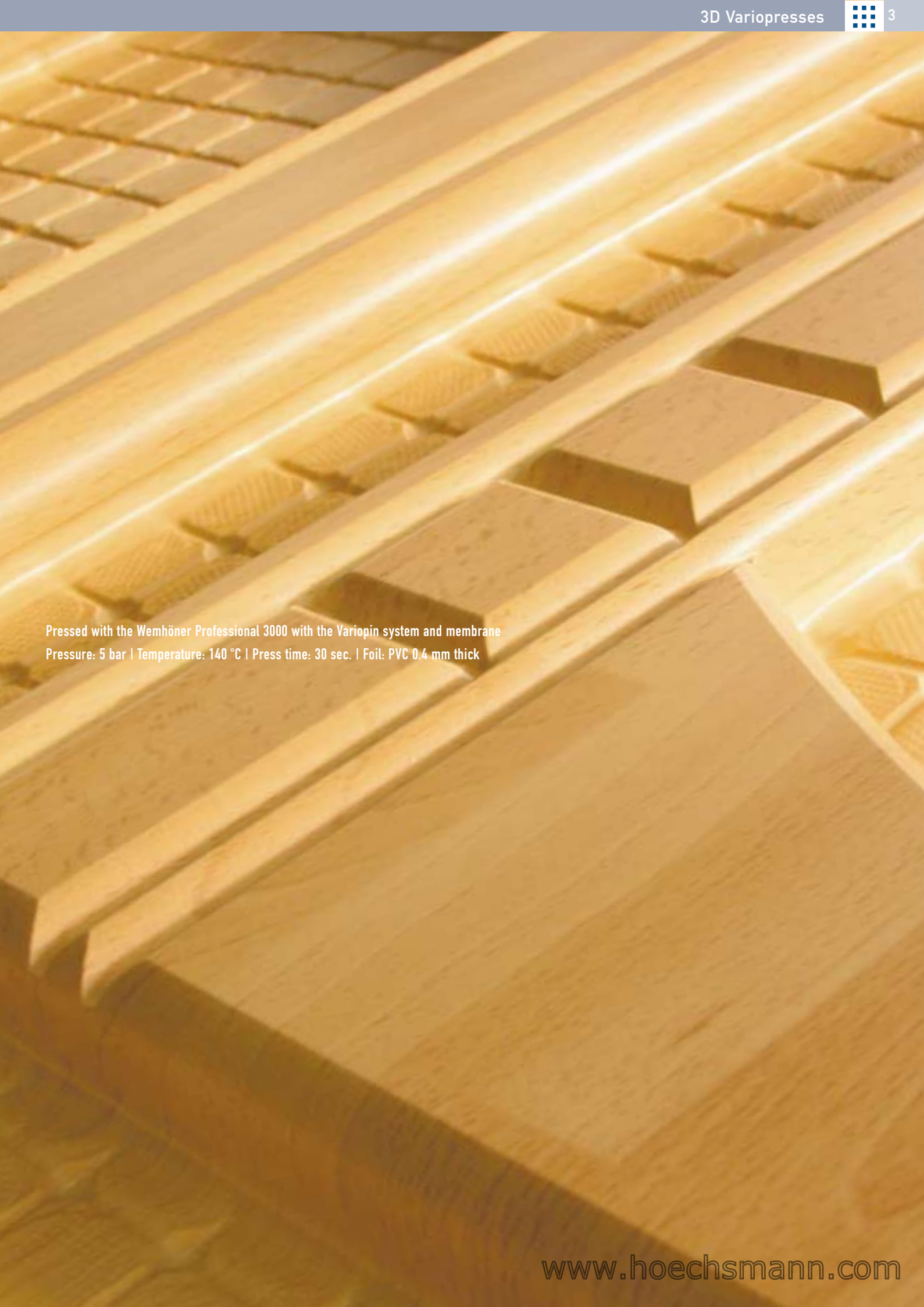




# 3D Variopresses



The name Wemhöner has been synonymous with competence and know-how in the field of machine and plant construction in the wood and wood-based material processing industry since 1925. Close monitoring of constantly changing markets, tracking of the latest surface and base materials and the resulting development of innovative production techniques have made **Wemhöner presses** the technological leader in short-cycle, through-feed and 3D Variopresses around the world. All three of these press methods undergo constant advanced technological development at Wemhöner and have attained recognition as international standards in the process.



Pressed with the Wemhöner Professional 3000 with the Variopin system and membrane  
Pressure: 5 bar | Temperature: 140 °C | Press time: 30 sec. | Foil: PVC 0.4 mm thick



Outfeed of a Wemhöner Variopress® Professional 3000 with turn-over device for removing pressed formed material from the press line.

Left picture: paternoster for fast foil switching, Center picture: easy to operate via touchscreen, Right picture: outfeed of a Professional 3000.

## Wemhöner 3D Variopresses – individuality in series



The field of 3D presses enjoys a prominent position among the three main areas of application for Wemhöner press technologies. Three-dimensional design has become more and more dominant particularly in the modeling of furniture faces while creating the individuality that manufacturers and consumers are looking for ■ Whether you deal with veneers or thermoplastic foils, Wemhöner 3D Variopresses offer the right pressing technique to meet the different requirements for design and lamination material. The

presses can handle both solid-wood and wood-based panels. Short set-up times without the complicated use of tools enable quick variation of base materials for small and large series ■ Variopin®, the patented base system featuring maximum flexibility, is one special example of sophisticated Wemhöner technology in the field of 3D presses: a tray equipped with this system detects the shape and size of the workpiece and automatically lifts it up, cutting out the need to have manually handled jig/riser boards.

## Wemhöner 3D Variopresses – choices as easy as 1-2-3



From left to right: Wemhöner Variopress® Basic 1000, Variopress® Universal 2000 with T-shuttle, outfeed of a Variopress® Professional 3000.

The product range of Wemhöner 3D Variopresses always offers state-of-the-art technology above and beyond the requirements of present-day product standards ■ The basic models Wemhöner Basic 1000 and Basic 1000 Plus feature a full range of individual 3D lamination options at a very affordable price. They provide easy solutions for the most complicated pressing processes. As an ideal press for manufacturing individual small series and solitary pieces, the raw material and foils are loaded manually ■ The

Wemhöner Universal 2000 is designed for medium-sized production shops. There are a variety of automation options available for foil feeding or loading, e.g. through a multi-tray T- or U-shuttle system, to ensure high efficiency ■ The model series Professional 3000 is the highlight of the Wemhöner 3D Variopresses. It features the ultimate combination of flexibility and productivity. In correlation with the Variopin® base system, this Wemhöner 3D Variopress® can take on just about any task.



A Wemhöner Universal 2000 with U-shuttle loading.

## Wemhöner 3D Variopresses – more space for ideas



Page 8 from left to right: fast foil changing via paternoster lift, automatic foil feed, tray frames for workpieces up to 200 mm in height.

Large picture page 9: a look inside a Variopress® Professional 3000 with membrane.

Bottom from left to right: outfeed with pressed workpieces, automatic turn-over device, Variopress® Professional 3000 with 3 circulating Variopin® trays (in over/under configuration).



Wemhöner 3D Variopresses are the product of many years of experience in press engineering and, of course, constant dialogue with designers, manufacturers, and suppliers from the furniture industry. Fulfilling the demands of constantly changing designs and source materials is the foremost objective ■ Therefore, Wemhöner 3D press technology is never limited to the pressing process itself. It also encompasses all the technical requirements that guarantee both smooth and flexible flow of production. An integrated foil feeding system via paternoster lift, a vertical tray circulation system on two levels, or a turn-over device for furniture doors are just some examples of Wemhöner's comprehensive future-oriented philosophy ■ Past solutions were capable

of processing workpieces up to 40 mm in height. Our modern technology now makes it possible to coat the surface of objects up to 200 mm in height. The different heights of easy-to-use tray frames enable the development of totally new design dimensions (like bowed cabinet fronts) ■ Wemhöner engineers use the company's own Technology Center in their continuing pursuit of advance development of 3D press technology. These facilities for material and process testing are naturally also available to all Wemhöner customers and suppliers.

**Wemhöner Presses** – always state-of-the-art.





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## Wemhöner Variopresses – Highlights in 3D-covering

1\_Press: Professional 3000 | Variopin | Interior door | decorative foil/film

2\_Press: Universal 2000 | Interior element | Beech real wood veneer

3\_Press: Universal 2000 | Interior door | Beech real wood veneer

4\_Press: Professional 3000 | Kitchen element | Birch decorative foil/film

5\_Press: Basic 1000 | Kitchen front | White decorative foil/film

6\_Press: Professional 3000 | Interior door | Sherry real wood veneer

7\_Press: Basic 1000 | Kitchen front | Yellow decorative foil/film

8\_Press: Universal 2000 | Kitchen front | Beech decorative foil/film

9\_Press: Basic 1000 | Kitchen front | Maple decorative foil/film

10\_Press: Basic 1000 | Kitchen front | White decorative foil/film

11\_Press: Professional 3000 | Kitchen element | Cherry decorative foil/film

12\_Press: Universal 2000 | Kitchen front | Ash decorative foil/film



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13\_Press: Universal 2000 | Kitchen front | White decorative foil/film

14\_Press: Basic 1000 | Kitchen front | White decorative foil/film

15\_Raw material MDF

16\_Press: Professional 3000 | Kitchen front | Ash decorative foil/film

17\_Press: Universal 2000 | Exhibition stand element | sand-marble

18\_Press: Basic 1000 | Kitchen front | Ash decorative foil/film

19\_Press: Universal 2000 | Kitchen front | Maple decorative foil/film

20\_Press: Professional 3000 | Ship interior design | Mahaghoni decor. foil/film

21\_Press: Basic 1000 | Kitchen front | Yellow decorative foil/film

22\_Press: Universal 2000 | Kitchen front | Oak decorative foil/film

23\_Press: Professional 3000 | Kitchen front | White decorative foil/film

24\_Press: Universal 2000 | Automobile interior | White leather

**WEMHÖNER**  
**PRESSEN**

Technology that unites



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