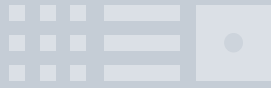


Short-cycle presses





Short-cycle presses



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.



Laminated flooring with tile and beechwood design with melamine-coated particle board in between – pressed and embossed with the Wemhöner short-cycle press KT-F-1E.



The Wemhöner short-cycle press KT-F-1E with maximum:

Press surface of 13.0 meters in length and 2.7 meters in width, 600 N/cm² specific pressure, 220 degrees heating plate temperature and 225 cycles per hour.

Wemhöner short-cycle presses – quality that covers all the bases

The invention of particle board has had more influence on production techniques and design in the furniture industry than nearly any other material. Wood-based materials developed from it, such as medium-density fiberboard, and new possibilities for surface coating with melamine-resin impregnated papers or printed finish foils have led to successful materials for furniture making and interior design ■ Over the years, melamine-coated wood-based panels

and the preferred material for laminated flooring in interior design worldwide ■ Wemhöner Presses has gathered many years of solid experience in the woodworking and wood-based material processing industry since specializing in surface coating of wood-based materials three decades ago. Wemhöner's concentrated expertise, particularly in the area of direct melamine coating, has tempered its formidable status as a manufacturer of high-tech presses with an unparalleled level of speed, reliability and affordability.



Wemhöner short-cycle presses – 30 m² in 24 seconds

Wemhöner know-how has led to new dimensions in areas other than technology, too – dimensions that can be defined in figures. A maximum pressing area of 13.0 meters in length and 2.7 meters in width enables pressing of up to three blank panels in one pressing pass. These presses earn their name operating at up to 225 cycles per hour. They are capable of applying press pressures of 300–600 N/cm² to panels 3–40 mm thick ■ What's more, this performance level does not come at the cost of quality in the final product or of flexibility in the use of surface and base materials. Wemhöner short-cycle presses guarantee minimum

thickness tolerances across the entire workpiece even when the maximum pressing surface is used ■ Customized Wemhöner software enables direct production batch changes without any time-consuming setup. From loading to storage, Wemhöner offers complete automation and visualization of the production process based on programmable controllers and a higher-level PC link ■ The use of structured pressing plates during the pressing procedure enables further finishing of the surfaces and lends a more authentic appearance to such products as laminated flooring with a wood or tile design.

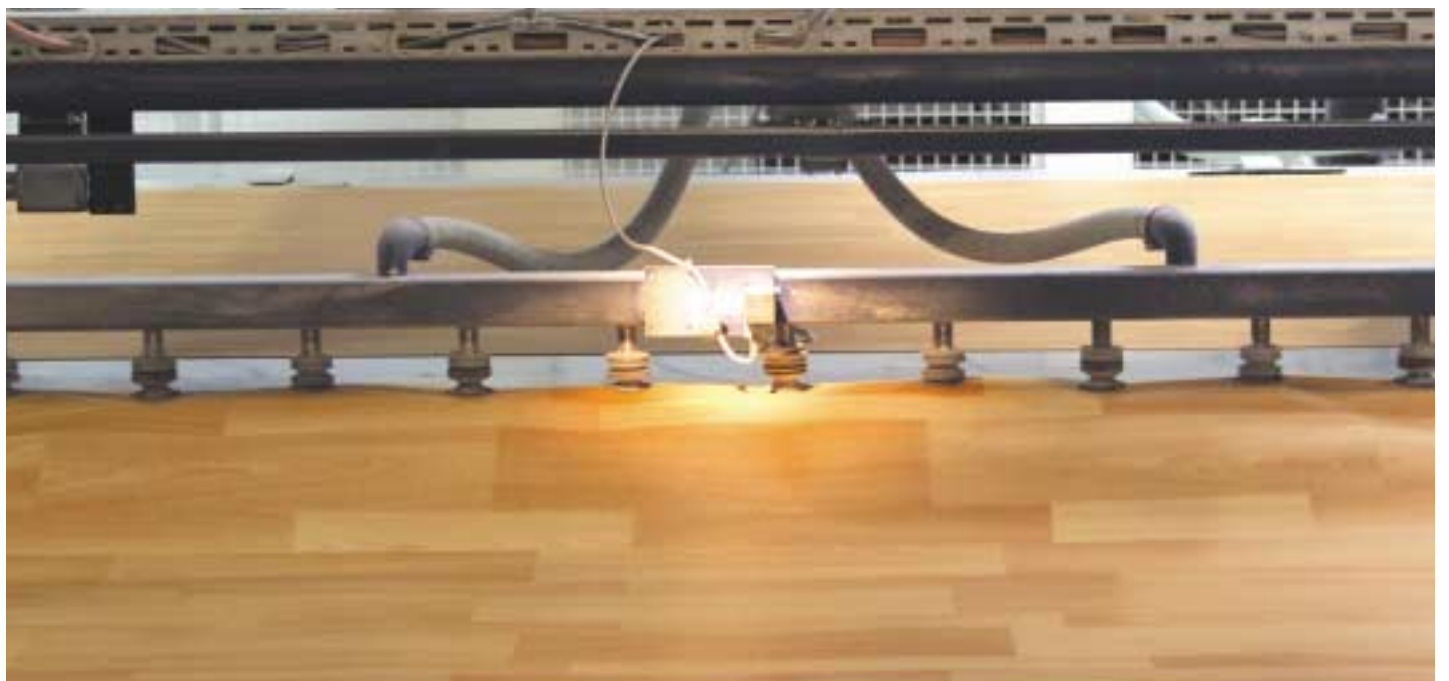
Bottom left: infeed of the KT-F-1E, center left: control unit, bottom center: pressing plate for imprinting laminated flooring, right: outfeed of the KT-F-1E, three laminated panels leave the press on their way directly into the cooling unit.





Wemhöner short-cycle presses –making sure everything's in sync

The pictures on these two pages show the highly efficient laying technique employed by Wemhöner short-cycle presses as well as a plant with one of the largest pressing surfaces for surface coating of wood-based panels in operation.





Wemhöner short-cycle presses are first designed and fully assembled in advance at the Herford factory to test production functions before being assembled and set up at the customer's location ■ In general, the components of the overall plant are chosen and combined according to specific customer and product requirements and subsequent conditions on site. A double sided rawboard feeder, a film palletchanging cart, film-laying station, stacking installations, double-cooling station and pressing-plate changing stations are just some of the examples of components you can use to maximum flexibility and ensure smooth operation before

and after the actual pressing procedure ■ Of course, Wemhöner short-cycle presses can be designed and supplied as individual installations for integration into other plants. In any case, Wemhöner solutions are packed with know-how from our many years of experience ■ Wemhöner after-sales service guarantees reliable production around the clock through a direct modem link to Wemhöner headquarters from anywhere in the world.

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



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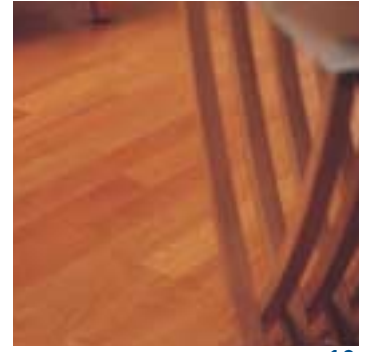
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Wemhöner short-cycle presses – everything for ceiling, wall and floor

1_Press: KT-F-1E | Laminate flooring | Bamboo decorative foil/film

2_Press: KT-F-1E | Laminate flooring | Bamboo decorative foil/film

3_Press: KT-F-1E | Laminate flooring | Walnut decorative foil/film

4_Press: KT-F-1E | Laminate flooring | Walnut decorative foil/film

5_Press: KT-F-1E | Kitchen front | decorative foil/film

6_Press: KT-F-1E | Kitchen front | decorative foil/film

7_Press: KT-F-1E | Kitchen front | decorative foil/film

8_Press: KT-F-1E | Laminate flooring | Oak decorative foil/film

9_Press: KT-F-1E | Laminate flooring with embossed teileffekt

10_Press: KT-F-1E | Laminate flooring with embossed teileffekt

11_Press: KT-F-1E | Laminate flooring | Cherry decorative foil/film

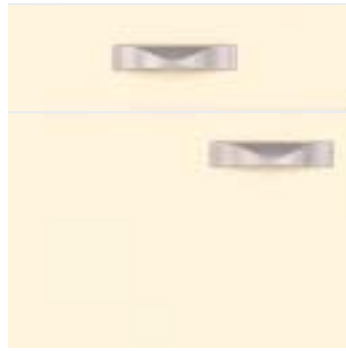
12_Press: KT-F-1E | Laminate flooring | Beech decorative foil/film



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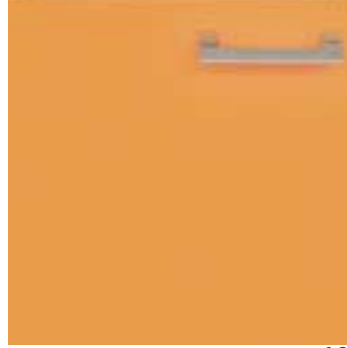
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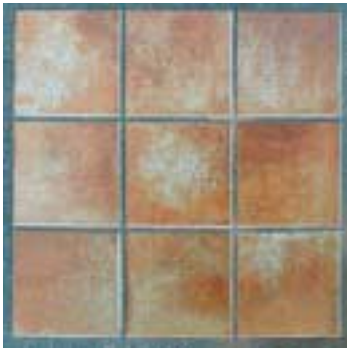
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13_Press: KT-F-1E | Laminate flooring | Oak decorative foil/film

14_Press: KT-F-1E | Laminate flooring | Oak decorative foil/film

15_Press: KT-F-1E | Kitchen front | decorative foil/film

16_Press: KT-F-1E | Panel | White decorative foil with wood grain embossing

17_Press: KT-F-1E | Kitchen front | Metallic decorative foil

18_Press: KT-F-1E | Kitchen front | Orange decorative foil

19_Press: KT-F-1E | Kitchen front | Red decorative foil

20_Press: KT-F-1E | Kitchen front | Mint decorative foil

21_Press: KT-F-1E | Laminate flooring with embossed teileffekt

22_Press: KT-F-1E | Laminate flooring | Pine decorative foil/film

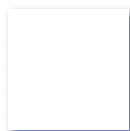
23_Press: KT-F-1E | Kitchen front | decorative foil/film

24_Press: KT-F-1E | Laminate flooring | Merbau decorative foil/film

WEMHÖNER
PRESSEN



Technology that unites



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