



SPECIAL PRESS LINES

Wemhöner
Special Press Lines set
the standards.
Worldwide



Technology, quality, innovation – these are the three pillars in the success story of Wemhöner over more than 85 years. Traditionally linked with the wood based panel industry, the furniture industry and their suppliers, around 300 employees produce machines and equipment for value adding of wood based panels.

WEMHÖNER SURFACE TECHNOLOGIES

New technologies are developed at the highest level and quality standards are optimised at the headquarters in Germany, always in close cooperation with the customers. Wemhöner sets standards with its short-cycle and throughfeed press lines, 3D VARIOPRESS® systems, lightweight panel equipment, digital- and direct printing and lacquering equipment. Worldwide.

Wemhöner provides complete system solutions which guarantee optimal production processes and reliable production, due to the perfect combination of technology and the company's decades of engineering experience.

Headquartered in Herford, Germany since 1925: Wemhöner Surface Technologies.





The plant in Changzhou, China.

The international focus and the continuous efforts to create new ideas are the reason for the global success of Wemhöner Surface Technologies. Wemhöner (Changzhou) Machinery Manufacturing was founded in 2006 with the intention to be present in the most important future market for the production of furniture.

Since the summer of 2007 the first factory outside Germany has been in operation. Until today, more than 50 3D Eagle press lines have been produced for the Chinese and international market. In 2008 the first throughfeed press line was built. Short-cycle press lines and lightweight panel equipment expand the portfolio of Wemhöner Changzhou since 2009. As a result of this success in China, the production area was doubled to 6,000 m² in 2011.

Due to the headquarters in Europe and its additional facility in China, Wemhöner is well prepared for the future and is able to react immediately on growing trends in established markets, but first of all to break into emerging markets. That makes the state-of-the-art technologies from Wemhöner available for customer's worldwide.



NEW DIMENSIONS IN INTERIOR DESIGN

In hardly any field of application of 3D press technology are the materials and design more sophisticated than in the interior design for the automotive sector. Wemhöner 3D Variopresses offer the ultimate in application engineering and process reliability as well as maximum flexibility in the implementation of very complicated pressing processes. For example, the VARIOPRESS® Basic 1000 S can be used to cover inserts in door trim and dashboard consoles with fine wood veneers or used to cover interior panels with leather or other high-quality materials.



The use of Wemhöner technology in the photovoltaic industry goes well beyond the usual applications in the classic field of surface finishing. In line with today's awareness about environmentally friendly energy, the VARIOPRESS® SolarLam is being used for the production of solar cells. The fragile glass modules are laminated under high vacuum and at an additional pressure of up to 3 bar with maximum accuracy at constant temperature.

Variable material loading and unloading systems give you the flexibility to handle either small or large series production.

PHOTOVOLTAIC SYSTEMS – TECHNOLOGY WITH A FUTURE





Wemhöner Moulding and Vulcanising Press Lines offer a wide range of applications to manufacturers of composite materials. Rubber-metal, Aramid or GRP composites are only some examples of custom-made products. The specific pressure of these lines are around 650 N/cm² and provide total press capacities of 24,000 kN.

Temperatures, optionally with re-cooling, are in the range of 180°C. Here the individual customer's application plays the decisive role. Fully automatic infeed systems are used – both in single and multi-daylight execution. Often pressing moulds are applied.

FIRST-CLASS CONNECTIONS



Wemhöner Cold Press Lines are suitable for the surface lamination of wood based panels, such as Multiplex, MDF, OSB and particle boards etc. Eligible laminating materials are a variety of plastic laminates, aluminium, stainless steel, but also Linoleum, glass and stone materials. Due to its automation options the Wemhöner Cold Press is universally applicable from a basic model to a fully automatic Throughfeed Press. Individually controlled press cylinders enable variable and optimum use of the pressing area independent of format size. Wemhöner offers material handling systems for the infeed and outfeed of the press: one- or two-sided, manual or automatic.

FLEXIBILITY INCLUDED

Wemhöner Laboratory Presses are the perfect complement to a full sized press line for many customers in the field of short cycle direct lamination. Different applications can be tested and evaluated in a cost-efficient way. The standard press size is 600 x 600 mm, however special dimensions can also be implemented. Specific pressure range to 1.000 N/cm². Press temperatures can be adjusted up to 220°C. Thermal oil or electric heating elements are used – re-cooling optionally. The feeding of a laboratory press is done mainly semi-automatically to allow a short pressure-less time.

CERTAINTY FOR MASS PRODUCTION

Wemhöner Surface Technologies

GmbH & Co. KG

Planckstraße 7 | 32052 Herford | Germany

Phone +49 5221 77020 | Fax +49 5221 770239

www.wemhoener.de | sales@wemhoener.de

