



Advanced Technology for the Wallpaper Industry



Create intelligent solutions.



Highest Quality for an Optimum Efficiency.



You want to know more:
www.olbrich.com/wallcoverings

Wallpaper Industry

Advanced Technology for the Wallpaper Industry

Olbrich is the major supplier of production lines for the wallpaper industry – for good reason – because Olbrich lines set standards both in regard to efficiency and to the flexibility of applications. Olbrich lines can quickly be changed over from one product to another.

Thus idle times are minimised, and furthermore a great variety of different patterns can be achieved without difficulty and the use of different materials is easily possible.

From the single winding machine up to the complex combined printing line: We supply a custom-fit high-quality line to you which is easy to maintain.

This is advanced technology for the wallpaper industry.

Our Customers' Products:

All kinds of wallpaper, particularly:

- Expanded vinyl wallpaper (on the basis of paper or fleece)
- Compact vinyl wallpaper (on the basis of paper or fleece)
- Duplex wallpaper
- Wallpaper for object applications



From the design of a great variety of coating, printing and embossing processes via the construction up to the assembly Olbrich is an overall system supplier for lines in the wall-paper industry.

Our experienced expert staff assembles the machines and carries out the commissioning as well as the training of your personnel on site. Of course, a modern switch plant technology and system software are part of it. For retrofitting we also offer you this service for second-hand lines, even for lines supplied by third parties. Our service department guarantees an efficient provision of spare parts as well as maintenance and repair services for all Olbrich machines. This is how we assure the long-living quality of your lines – all over the world.

Line Concepts

- Combined printing lines with gravure printing, screen printing and flexo printing units
- PVC coating lines
- Hot vinyl embossing lines
- Duplex lines
- Laminating and embossing lines
- Winding machines



Wallpaper Industry

Production Lines for Paper, Fleece and Vinyl Wallpaper

Duplex Lines

Working width: 600 mm
Speed (mech.): 10 to 250 m/min.

Unwinders and Lamination

- Non-stop unwinders
- Fully-automatic splicing
- Unwinders: max. roll diameter 1.200 mm
- Filling doctor laminating system (lamination glue, aqueous system)

Duplex embosser

- Embossing system: steel embossing roller – paper back-up roller
- Embossing precision: $\pm 0,2$ mm
- Drive: High torsional rigidity by universal joint shafts

Coating Lines

- Working widths: from 600 to 1.700 mm
- Speed (mech.): 5 to 100 m/min.

RRC Three-Roller Application System

- Application precision: 5 g across the width
- Application weight: between 100 and 700 g/m²

Screen Coating

- Alternative coating method for low grammages (50 to 150 g)
- Extendible with levelling doctor and smoothing unit

Hot Vinyl Embossing Lines

- Working width: 600 mm
- Speed (mech.): 5 to 150 m/min.

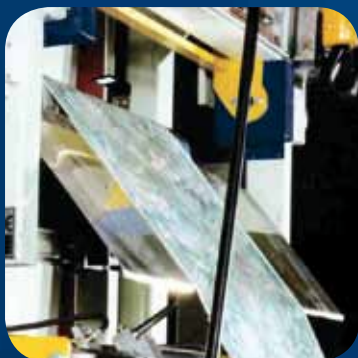
Combined Printing Lines

These lines can optionally be combined: screen printing / gravure printing / flexo printing.

- Working widths: 600 mm to 1.200 mm
- Speed (mech.): 5 to 150 m/min
- U (circumference) = 530 / 640
- U (circumference) = 910 screen printing

Screen / Gravure / Flexo Printing Modules

- Flexibility by combination
- Each printing unit with individual drive
- First cooling roller driven
- Integrated cooling water supply for each printing unit with main connection at the first or last printing unit
- Web tension measuring and indication in front of each printing unit
- Graphic display of the operating function via touch screen
- A pre-registering of the printing units and the embosser is possible
- Quick register finding (< 100 m)
- Easy roller handling and cleaning



Screen printing module

- Screen printing stencil quickly changeable
- Gap between stencil and back-up roller adjustable by motor
- Side register and cross dimension adjustable by hand
- Doctor adjustment by motor
- Regulation of the ink supply via a capacitive filling level probe (2-point switching)

Gravure printing module

- Design roller easily changeable
- Gap between design roller and back-up roller adjustable by motor
- Side register and cross dimension adjustable by hand
- Ink supply into a traverse-motion filling doctor or a chamber doctor with continuous pump circulation system.

Embossing in register

- Variable wrap angle around the embossing roller
- Application for products in the foam and compact vinyl field
- Quick pre-registering of the embossing roller
- Engagement of the embossing roller at full speed

Drier

- Frequency-controlled fans for the recirculated air
- Air speeds selectable between 15 m/s and 35 m/s
- Upper and lower air nozzles
- Gas- or oil-heated driers
- Easily accessible filter cartridges

Rewinding Machines

- Continuous and discontinuous designs available
- Short free web travels
- Controlled quality of the finished rolls
- Adjustment of mechanical and electrical variables
- Individual, reproducible features
- Working widths: from 570 to 1.600 mm
- Speeds: 200 to 300 m/min.



Pilot Plant

Realising Innovation – Our Pilot Plant!



You want to know more: www.olbrich.com/pilotplant

To ensure a reliable, precise and trouble-free operation of your line from the start, at Olbrich's each line is individually tailored to the specific requirements of the production of wallpaper. For this purpose we use our pilot plant, because especially for the development of new machine concepts and innovative processes or product ideas it is important for planned investments to gain proven insights on real production conditions. Apart from a multi-purpose coating and laminating line (material widths up to 600 mm) and a state-of-the-art laminating and embossing line (material widths up to 1.000 mm) our experienced process engineers use comprehensive computerbased simulations and process analyses to help advise you.

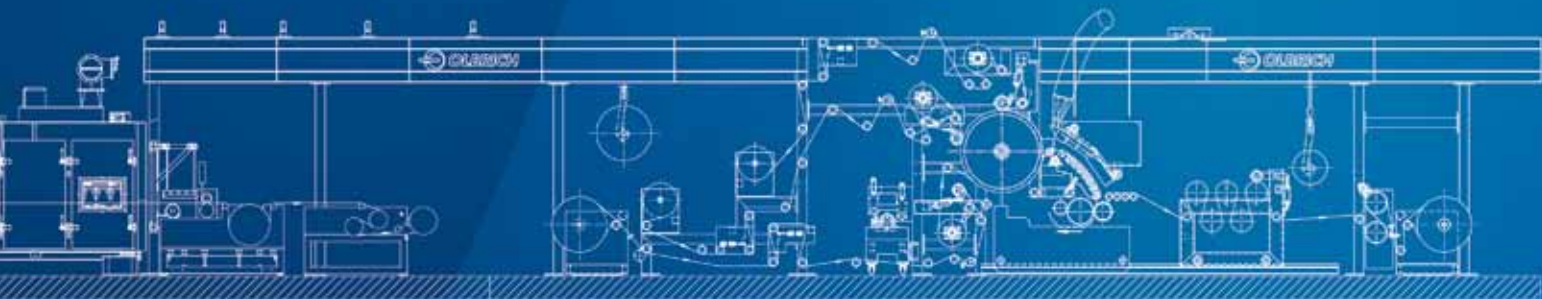
Come, look and see!

Technologies

- Coating technologies for PVC, dispersions and solvent-containing media
- Printing technologies like screen printing, gravure printing and flexo printing working width: max. 1.200 mm
- High-efficiency driers for all coating media
- Infrared heating systems, UV crosslinking
- Embossing
- Laminating
- Rewinding and making the material ready for sale

Lines

- Multi-purpose coating and printing line, working width: max. 550 mm
- Production-related laminating and embossing line, working width: max. 1.000 mm
- Various winding machines for different materials



Company

Inspiring Engineering – Convincing Technology!



You want to know more: www.olbrich.com/company

Olbrich is your system supplier of intelligent machine and line concepts for the production of web products such as wallpaper, floor coverings, film / foils and technical textiles. In the course of more than 60 years of experience in completely different fields of application our interdisciplinary team of specialist engineers has developed comprehensive technological expertise. This allows us to individually tailor each line to the specific requirements of your intended application – from the engineering through the manufacturing process and final commissioning. Using our own pilot plant we are also in a position to combine established technologies to develop new machine concepts or processes resulting in the development of innovative new products creating a competitive advantage.

Please feel free to contact us!

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OLBRICH GmbH
Teutonenstraße 2 - 10 | 46395 Bocholt | Germany
Tel.: +49 (0) 2871 . 283-0
Fax: +49 (0) 2871 . 283-189
info@olbrich.com | www.olbrich.com