



**PRODUCTION LINES
FOR TECHNICAL TEXTILES**



ABOUT US

Whether for the manufacture of products by means of a coating process – such as for instance tarpaulins – or other converted textile products, Olbrich offers a wide range of precision production modules and processes for your production line.

For this purpose, technological consulting and trials at our technical centre are of special importance. They enable us to supply machinery which optimises your overall production line concept – achieving the best product quality and maximum production efficiency.

That is what we call “create intelligent solutions”.

Coating machines and dryers are the key to successful production processes. Combined coating machines for direct and indirect coating, vertical coating machines, reverse roll coaters and coaters with revolving heads are standard machines in the Olbrich product range.

Olbrich offers dedicated drying technologies:

Vertical and horizontal dryers, floatation dryers, all with the aim of offering you the best possible solution.

However, even more is provided by us:

Unwinders and winders, web controls, accumulators, surface finishing such as embossing and smoothing as well as laminating equipment make up a functional coating line.

OLBRICH Headquarters Bocholt, Germany.

Founded 1949



Sophisticated Line Concepts for Maximal Capacity.

PROCESS ENGINEERING TECHNICAL CENTRE R&D

DESIGN PROJECT MANAGEMENT FABRICATION

TURN-KEY INSTALLATION SERVICE PROCESS

ENGINEERING TECHNICAL CENTRE R&D

DESIGN PROJECT MANAGEMENT FABRICATION

TURN-KEY INSTALLATION SERVICE PROCESS

ENGINEERING TECHNICAL CENTRE R&D DESIGN

PROJECT MANAGEMENT FABRICATION TURN-

KEY INSTALLATION PROCESS ENGINEERING

SERVICE TECHNICAL CENTRE R&D DESIGN

PROJECT MANAGEMENT FABRICATION TURN-KEY

INSTALLATION TECHNICAL CENTRE R&D DESIGN

PROJECT MANAGEMENT PROCESS ENGINEERING

FABRICATION TURN-KEY INSTALLATION SERVICE

PROCESS ENGINEERING TECHNICAL CENTRE R&D

DESIGN PROJECT MANAGEMENT FABRICATION



OUR CUSTOMERS' PRODUCTS:

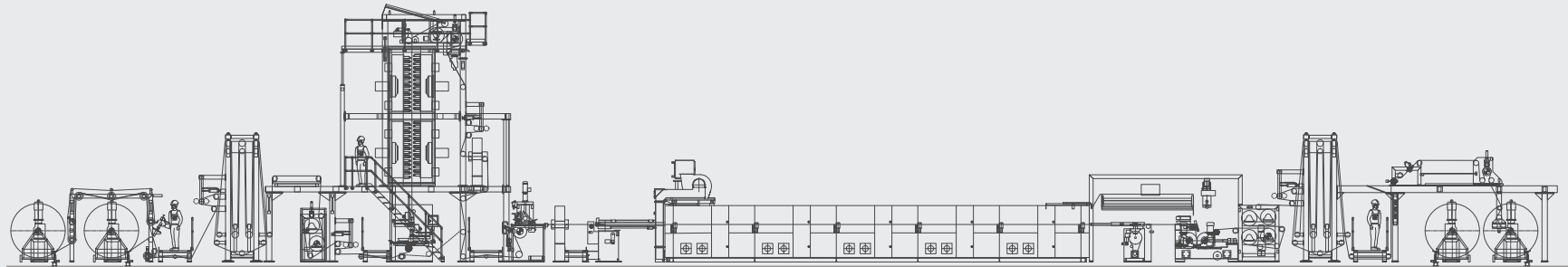
- PVC tarpaulins and side curtains for trucks
- Roof sheeting, reservoir lining
- Textile application, tents and blinds
- Billboards
- Boats/inflatable articles
- Functional textiles and protective clothing
- Industrial doors
- Textile printing
- PVC/PU outdoor fabrics
- PVC/PU/PTFE – architecture and building material
- Printing blankets
- Artificial leather
- Footwear industry
- Conveyor belts/driving belts for:
 - Logistics and airport conveyors
 - Food industry
 - Automobile and steel textiles
- Other kinds of coated fabrics/special applications



COATING LINE FOR PVC/PU PRODUCTS – VERTICAL AND HORIZONTAL

Working width: 1,800 - 3,400 mm (max. 5,400 mm)

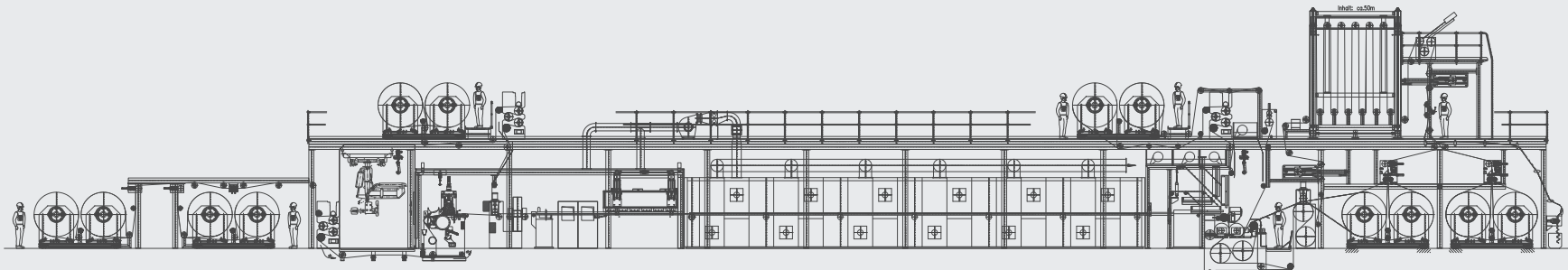
Today the modern lines for the coating of high-quality tarpaulins are designed as 2-stage lines. These lines are suitable to produce all common types of tarpaulins. When producing thicker products, the product is passed through the line for a second time, or alternatively the line can modularly be extended by a third coating stage.



COATING LINE FOR PVC/PU PRODUCTS – HORIZONTAL

Working width: 1,800 - 3,400 mm (max. 5,400 mm)

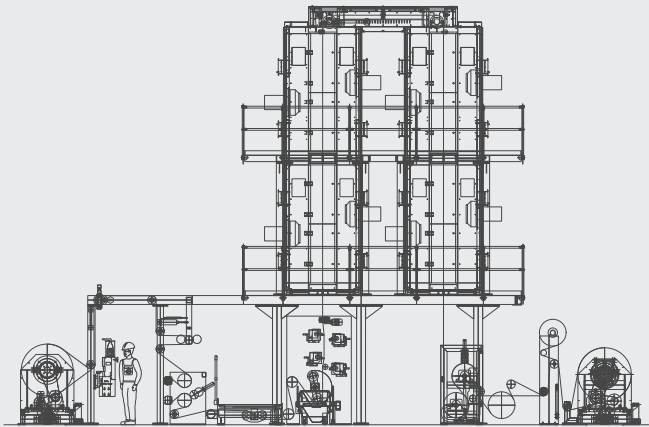
The shown horizontal line design is in particular also suitable for the coating of solvent-containing liquids and powdery masses. For the production of thicker products lamination unwinders are arranged in front of and also behind the dryer, in order to double the pre-coated material webs using a wet or hot lamination process.



Conveyor belts



VERTICAL COATING LINE FOR PVC/PU PRODUCTS



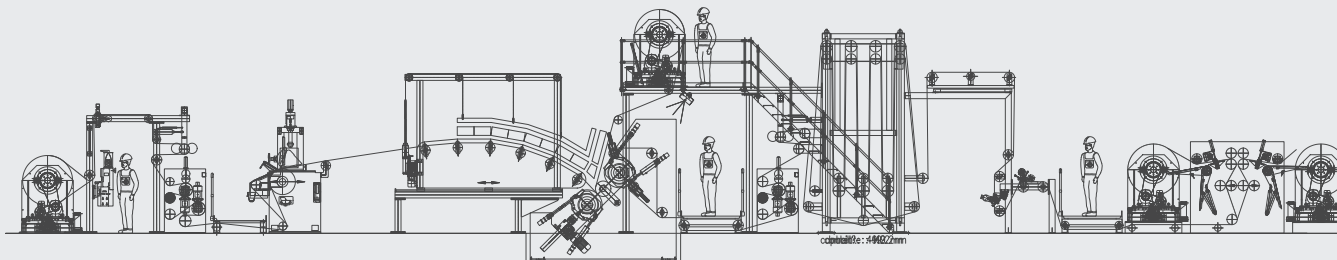
Working width: 1,800 mm - 4,200 mm

Olbrich vertical coating lines are especially designed for the impregnation of material webs, but also for the one-sided and/or two-sided coating of material webs. Aqueous masses, PVC masses or also solvent-containing masses can be applied. The vertical drying unit is of space-saving and compact design; a high efficiency convection dryer with hot air, an infrared dryer or also combinations of both (hot air and infrared type) can be installed here.

COATING AND LAMINATING LINE FOR PVC/TPU PRODUCTS

Working width: 1,800 mm - 4,200 mm

Combined lines like this coating, laminating and embossing line are especially designed for the product field of PVC/TPU conveyor belts. In this line the conveyor belts can be coated, embossed and also laminated. Heavy-duty pulling units in front of and behind the coating process serve to increase the material tension to max. 10,000 N for optimum product quality.



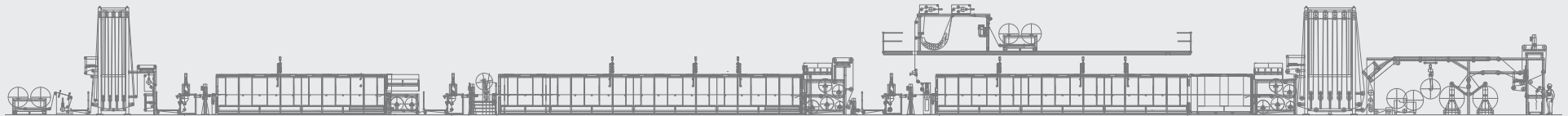


COATING LINE FOR PVC/PU PRODUCTS

Line Concept: 3-Head Horizontal

Working width: 1,800 - 2,400 mm

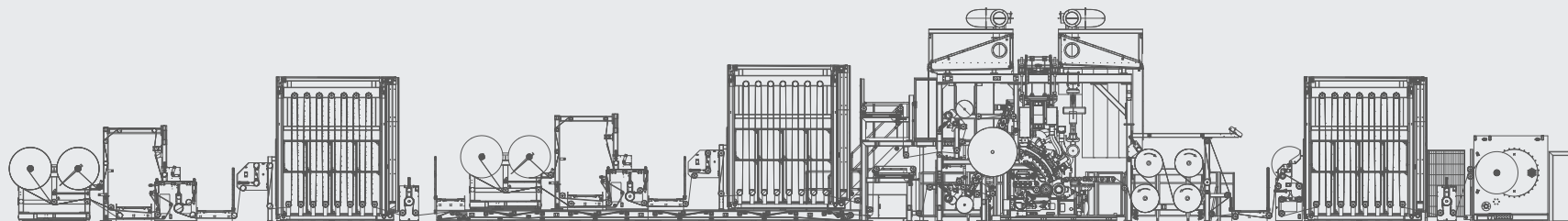
The production of artificial leather is realized as per the reverse coating method. By means of the first coating machine the top coat is applied on a release paper, pre-gelled in a dryer and cooled in a cooling unit afterwards. The second coating machine applies the foam coat. Pre-gelling and cooling follows. By means of the third coating machine the adhesive coat which is a compact or an expandable foam PVC paste is applied. In the laminating unit a substrate is laminated to the wet coating compound. Gelling, foaming and cooling are realized afterwards. The paper is then separated from the product and paper and artificial leather are wound.



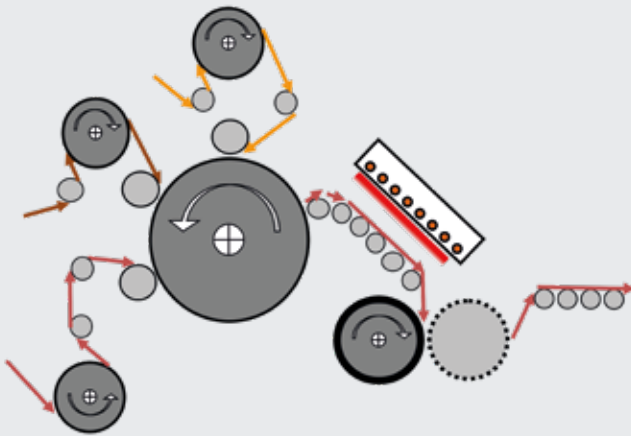
LAMINATING AND EMBOSSING LINE FOR PVC/PU PRODUCTS

Working width: 1,100 - 2,400 mm

A combined laminating and embossing line is suitable for manufacturing products from PVC/TPO or also PU/TPU. Products of different material thicknesses can be doubled to each other. Furthermore PVC or TPU products may, for example, be provided with a PE or PP backside foam. Apart from the above-mentioned coated products, calender films can, of course, also be laminated to each other to create multi-layer products.



MULTI-PURPOSE LAMINATING AND EMBOSSING LINE



The material webs are independently preheated by the pre-heating rollers and laminated on the laminating cylinder.

- Accurate pre-heating for each layer
- Optimized wrap angles
- Different cooling and heating methods
- Flexible drive and control concepts
- Quick change of embossing rolls

