

# Modified Membrane Production Technology



**End to End Solutions for your  
Whole Range of Membrane Needs**

# Modified Membrane Production Line

## Proven Membrane Production for Quality and Maximum Productivity

Our membrane production systems are designed to sustain accurate temperature control of the compound throughout the process, which is critical in maintaining the integrity of the membrane and consistent operation of the production line.

### Unwinding/Splicing

Our unwind stand features automated hoisting of new carrier rolls as well as a low carrier roll warning to alert the operator that a new roll of carrier material is needed. Incorporated into the splice table is a fully adjustable heating element for consistent and reliable hot melt tape splicing.

### Saturating and Coating

The Reichel & Drews dual compound saturation and coating process minimizes tension for polyester reinforced membrane production, provides precise and uniform thickness control and features a proprietary technology that ensures accurate and adjustable placement of the support within the cross section of the membrane. The saturating and coating system is capable of coating each side of the carrier with a different modified compound formulation and includes independent temperature control for each compound being used. In addition, the specially designed edge forming mechanism produces membrane edges that are smooth and the same thickness across the membrane.



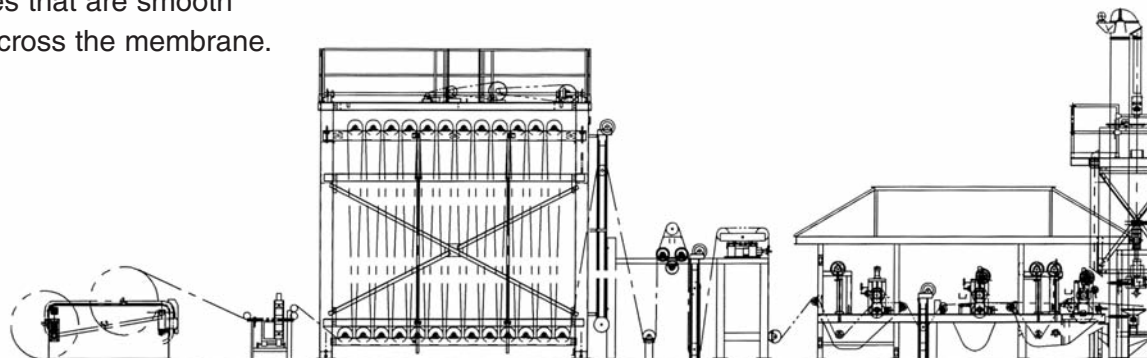
### Surfacing

The exclusive Reichel & Drews quick color-change granule applicator allows the operator to make a color change without stopping the production line, thus reducing downtime.



### Cooling

Controlled cooling of the membrane after saturation and coating is achieved by a controlled, consistent and energy efficient atomized water spray cooling process.





## Winding

The Reichel & Drews RW20-LS Roll Winder, which features the most advanced AC servo drive technology for optimum performance and reliability, produces tightly wound rolls with precise length control and minimal telescoping at a full range of speeds.



## Mixing

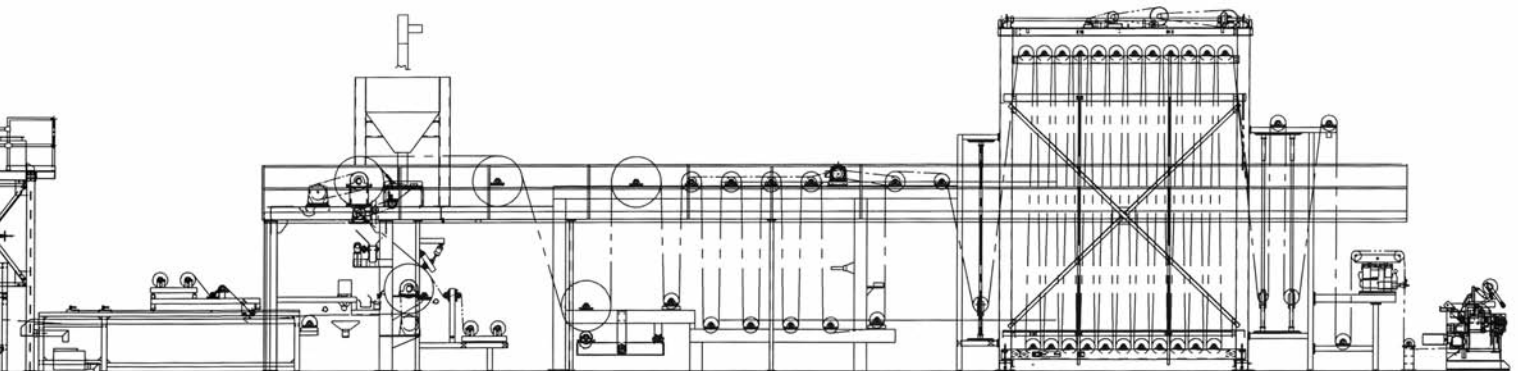
The mixing system is engineered to accommodate a complete range of compounds to produce specific membranes at high production rates and is completely integrated with the production line. The automation that the process control system provides ensures accurate raw material mixing for consistent compounds and also records data on the mixing operation.

## Features:

- Advanced drives and process controls
- An exclusive dual compound saturation and coating process
- Exclusive multi-layer technology
- A quick color-change capability
- Controlled, consistent, energy-efficient cooling
- Precise temperature control to maintain compound integrity
- Optimum performance winder

## Versatile Production Capability

- 30, 50 & 80 m/min line speed configurations
- Mop, torch, self-adhering membranes
- APP, SBS, SAM compounds, including combinations
- 1.5 - 6.0 mm finished product thickness
- Integrated drives and controls design and configuration minimizes tension to the membrane



## Our Services

Reichel & Drews Modified Membrane Production Systems are carefully integrated arrangements of production line equipment, AC vector drive technology, process controls, membrane temperature control, a compound mixing system and packaging equipment.

Our designs are the result of over 100 years experience in engineering and building production systems for the bitumen roofing industry and incorporate the latest, most modern, design and control technology to provide optimum line speed, saturation, coating, tension control, temperature control and energy conservation at the best value.

### Along with the production line comes peace of mind

Reichel & Drews offers comprehensive training of your personnel in the general maintenance and operation of the equipment. Our well-trained, highly skilled service team is available to assist 24 hours a day, 7 days a week to provide on going support for your equipment.

For installation assistance, equipment start-up, on-site training or replacement parts, the Reichel & Drews Service Team is ready to step up.



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