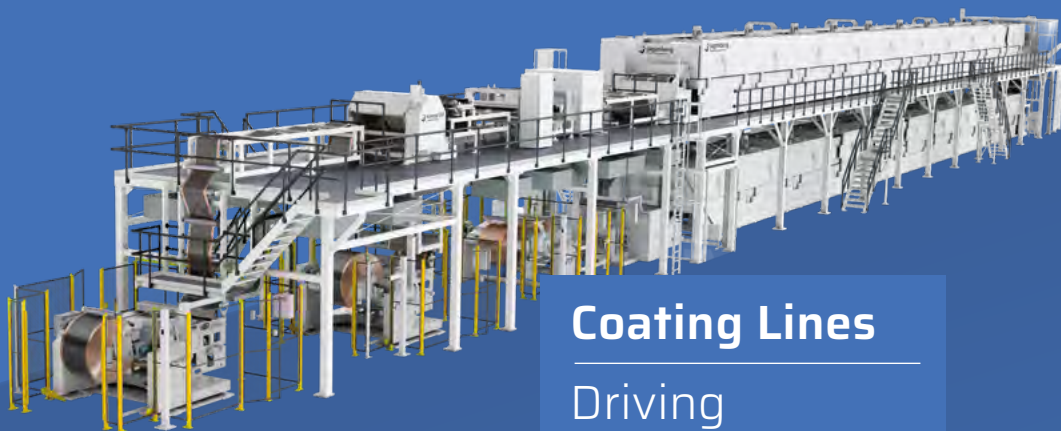




Coating Lines

Driving
your Energy
Applications

Coating Lines



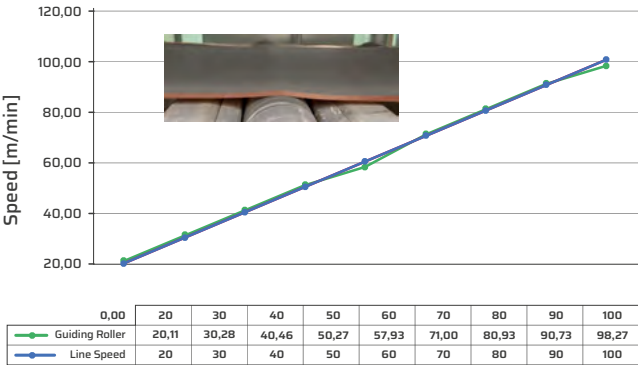
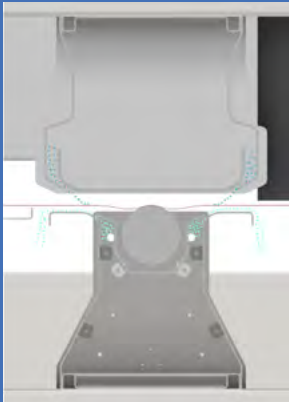
HOLISTIC TURNKEY SOLUTIONS THAT PUT QUALITY FIRST

The Future of Lithium-Ion Batteries and Fuel Cells Production.

Combining the turnkey concept into tailor-made coating lines, Jagenberg Converting Solutions lives up to our name: We offer solutions covering the entire coating process. With a choice of different coating technologies and high-end drying technologies, we offer optimized lines for the world of energy applications, optionally for clean and dry room environment and with EX proof design.

DIFFERENT DRYING TECHNOLOGIES

Roll-dryer



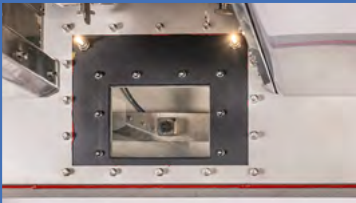
Floataction dryer



HIGH-END DRYING TECHNOLOGIES

Determining the result with smart drying

- Lifting dryer for ergonomic access, optimized for easy cleaning
- Flexibility through interchangeable nozzles design and distances
- Stainless steel dryer for easy cleaning and longevity
- Hepa filter set for clean drying air
- Camera for web monitoring for process inspection
- Choice of different heat mediums (Electric power, gas, thermal oil)
- Optional: IR or laser heating for added efficiency and sustainability
- Sensors guarantee process insights: Concentration, humidity, Web temperature



DRYING SIMULATION

Computer-aided drying curve simulations enable a sensible selection to be made with regard to technology, process parameters and nozzle configuration. The simulation enables your system to be optimally designed.

Exemplary Calculation

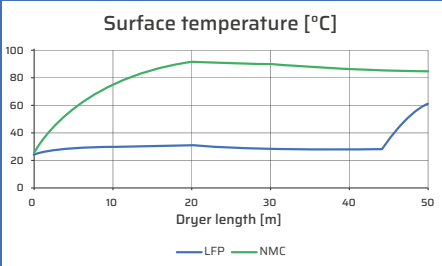
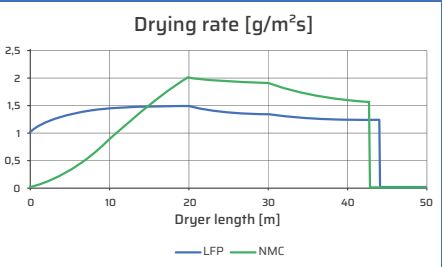
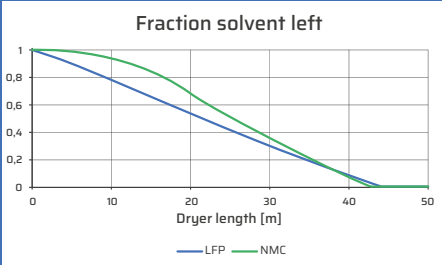
Key data of the process

Coating speed
50 m/min.

Solid content
75%

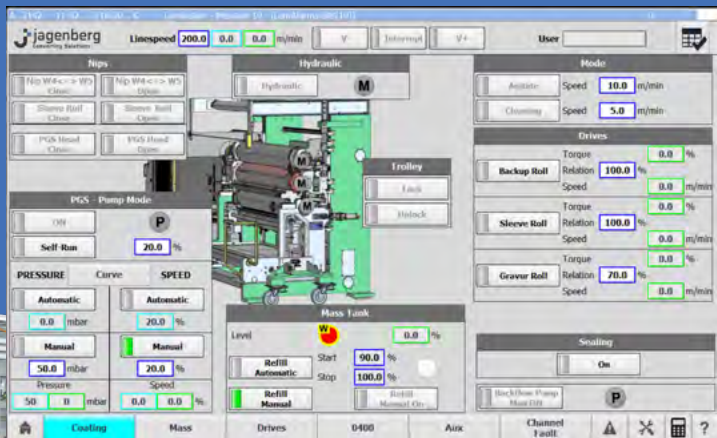
Dry-Coat-Weight
300 g/m²

Dryer-Temp. avg.
100°C



DRIVES & CONTROLS

Our innovative drive technology solutions ensure precise and energy-efficient movements – customized precisely tailored to your production requirements. In combination with intelligent tension control, we guarantee consistently high quality in the coating line.



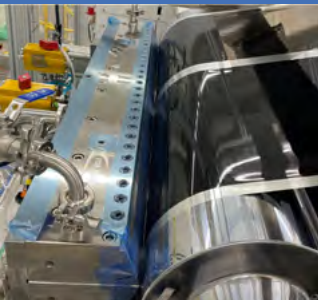
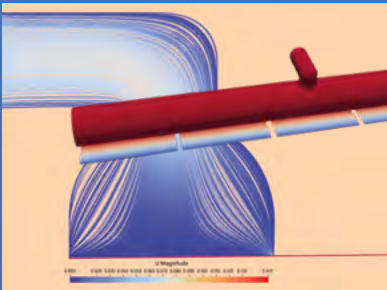
Experience maximum control and overview with our powerful HMI system – developed for intuitive machine operation and efficient recipe management. Optional SCADA and Industry 4.0 interfaces round off our drives and controls.



COATING STATION

The ultimate coating for perfect results

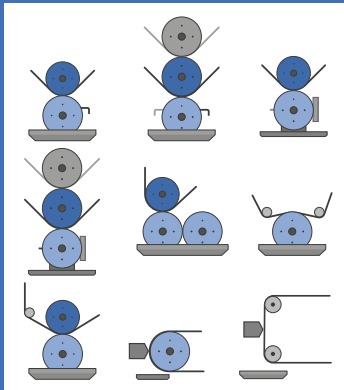
For a perfect coating result, our design includes individual Slot Dies. The coating unit can be equipped for clean room and dry room environment. Our customizable layouts feature EX proof design options as well as the suitable mass supply for all of our coating systems



COATING STATION

Whatever you want to coat, we will make sure it works for you.

- Individual slot dies
- Two or three cylinder applications, optionally as trolley or with sleeve
- Open tray systems, chamber doctor blades or pressure chamber doctor blade
- Knife over roll or comma bar
- Optional: Compatible with clean room and dry room environment
- Optional: EX proof design
- customized mass supply



WINDING

Flexibility you can count on

Depending on your application, we offer different types of fully automated auto-splice turret winders. For lower speeds, we have single-station winders available, while cantilever winders are the perfect choice for smaller web widths. We offer a wide range of roll diameters and also optional AGV interfaces.





If you are interested or have any questions
about calendering, please contact

Andreas Buttenborg

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