



Kohler Coating Inc. and TEWS announce their agreement to jointly develop high performance moisture measurement and closed loop control solutions for the corrugated industry.

Uniontown, Hamburg, November 11th, 2019

- Exclusive research and development agreement between two market leaders
- Long-term-cooperation aimed to offer closed-loop-solutions for the corrugated industry
- Partnership includes product brands *HYDROS+PLUS+*, *CenterBrain* and Paper Specific Moisture Control (PSMC)

Kohler Coating Inc, a world market leader in coating and moisture control technologies for the paper and corrugated industry and TEWS, a leading manufacturer of moisture and density measurement systems are pleased to announce that both companies have entered into a long-term research and development agreement to produce closed-loop-solutions for the corrugated industry. The aim of the cooperation is to provide innovative and high-performance solutions that help clients increase the operating speed and energy efficiency of their corrugators as well as to improve the results regarding flatness and dimensional stability.

Mr. Herb Kohler, President and majority shareholder of Kohler Coating states *“By integrating the TEWS moisture measurement sensors into our well-established moisture control systems we will be able to offer a dimensionally stable, closed-loop-solution in the corrugated industry for the first time. This gives us the opportunity to develop advanced process control solutions which, in turn, will take our technology to the next level.”*

Mr. André Tews, owner and MD of TEWS added *„We see a great opportunity in the agreement between TEWS and Kohler Coating. Kohler’s unique WaterDeck applicators combined with our unique 2-parameter density-independent moisture measurement will significantly enhance productivity in terms of speed and board flatness.”*

Kohler Coating, Inc. was founded in 2001, but the Kohler family’s roots in the paper industry machinery business go back four generations to the 1880’s. The Company focuses on creating advanced technology driven products that have a positive impact on the processes and production methods of customers in the paper and corrugated industry. Kohler Coating’s equipment plays a major role in reducing Green House Gas Emissions as well as in increasing overall sustainability within the paper and corrugated industry. These solutions are currently in use worldwide in hundreds of installations in 38 countries.



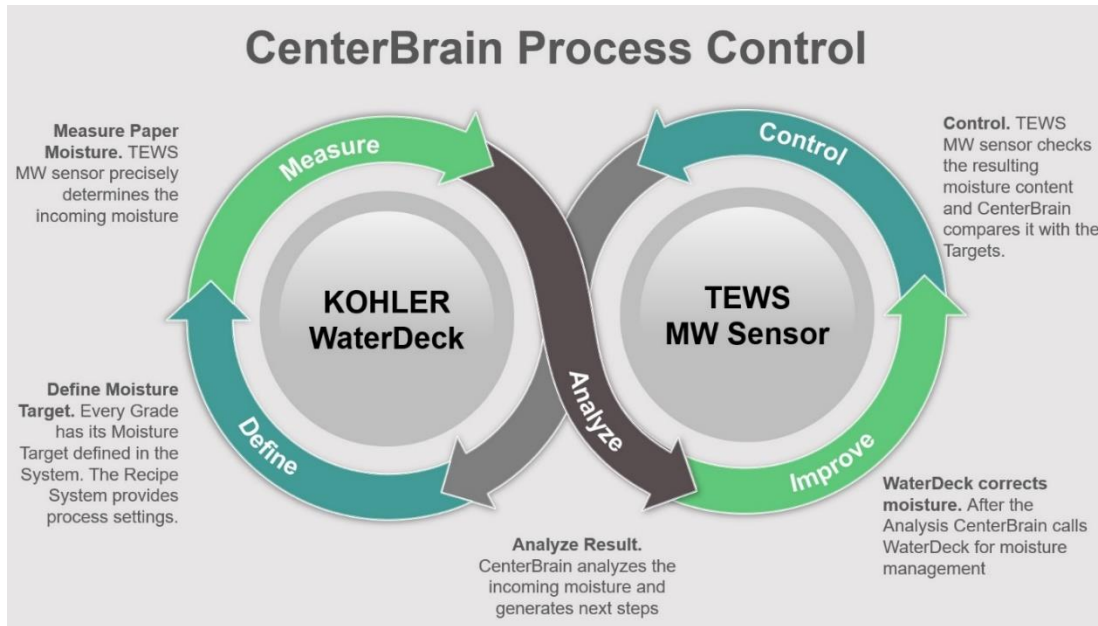
Herb Kohler (right) and André Tews agree upon an R&D agreement in the corrugated industry.

TEWS is a world market leader in the field of industrial microwave moisture and density measurement. With its headquarters based in Hamburg, Germany, a US subsidiary as well as a service center in Hong Kong TEWS develops, manufactures and distributes unique solutions for customers around the world. TEWS is a family owned company offering high performance solutions to end-customers as well as mechanical engineering operations in many different industries such as paper & packaging, tobacco, food & feed, pharmaceutical, and chemical.

In order to achieve the highest quality corrugated board, balancing the moisture content of the liner papers is crucial. Kohler Coating has achieved a well-known global reputation in the paper and corrugated board industry for its expertise in adjusting moisture content by the accurate application of water film thickness levels below 1 micron at any machine speed. TEWS' sensors are able to accurately "see" these adjustments and to deliver precise, reliable moisture feedback which is independent of density. Moreover, the measurements are not restricted to the surface layer of the paper(s) but provide the moisture of the entire thickness of the paper(s). By combining their unique know-how in this field of moisture measurement and control, the companies are working on a variety of innovative solutions that have led to two new product brands so far:

- HYDROS+PLUS+, A closed loop moisture control system for an individual liner or all liners that can be installed on new or existing corrugators and that provides corrugated board with greatly enhanced dimensional stability.

- CenterBrain, A closed loop moisture control system for the entire corrugator combining Hydros+Plus+ with the concepts of Paper Specific Moisture Control (PSMC). As it runs, the CenterBrain system learns the properties of different types of papers from different paper manufacturers, paper machines and roll positions. The system uses that accumulated knowledge of specific paper properties to direct the corrugator's existing supervisory control system to make the appropriate corrections. CenterBrain can also be expanded to provide many of the functions of a supervisory control system for older, less automated corrugators.



Schematic showing how the TEWS and Kohler products work together to improve the process

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