

Press release

Maximize your coding & marking reliability – even at high levels of ambient humidity

Tuttlingen (Germany), 17th July 2024 – LEIBINGER, a world leader in the development of innovative coding & marking technology, understands its customers' requirements and responds with exceptionally efficient solutions. This includes the advanced air dryer feature, which counteracts high humidity and extreme temperatures to ensure the best printing results in challenging production environments.

High humidity and high temperatures aren't only found in tropical and subtropical climate zones, such as Southeast Asia. These extreme conditions are also often encountered in many production environments such as those in the Beverage, Food and Packaging sectors. LEIBINGER has developed an outstanding ink portfolio that can easily deal with these challenging production environments. However, there are applications and production processes where the ambient conditions impact on the inks' processing and adhesion properties. Examples of this include food that is pre-cooked and filled during production, or printing cables in areas with high humidity and temperatures. Together with its customers, LEIBINGER has taken a closer look at these challenges and developed a solution to ensure maximum coding & marking efficiency and reliability.

The air dryer effectively counteracts humidity

Continuous inkjet printers (CIJ) use a continuous ink jet to print best-before dates, texts, codes or other markings. Conventional printers can cause condensation on the print head if the humidity is very high. Humidity can also affect both the inks' viscosity and drying time. A solution developed by LEIBINGER with an integrated air dryer prevents this from happening and guarantees the inks' adhesion and rapid drying – along with seamless, smooth operation.

This is how the air dryer works

In short, the LEIBINGER air dryer draws in the humid ambient air, removes the moisture from it and directs the resulting dry air into the print head. This ensures a dry environment in the print head, in contrast to the surrounding production environment.

Identifying and meeting market requirements

"As a leading international coding and marking specialist, we listen closely to our customers and develop solutions to support them in their day-to-day operations. This is exactly how the air dryer feature originated. Under extreme ambient conditions, it ensures that CIJ printers can reliably deliver the best possible print results at all times, including high print adhesion," explains Alexander Deuchert, Head of Product Management at LEIBINGER. Thanks to

its full-coverage global service network, LEIBINGER always has its ear to the ground. Deuchert highlights: “Our service technicians advise customers on all continents. Together with the production manager, they determine on site which printer specifications, options and features are best suited to the customer’s application – including whether the integration of an air dryer is recommended for successful operation. This option can also be retrofitted to existing printers and LEIBINGER’s qualified service team is also happy to provide support in this regard.

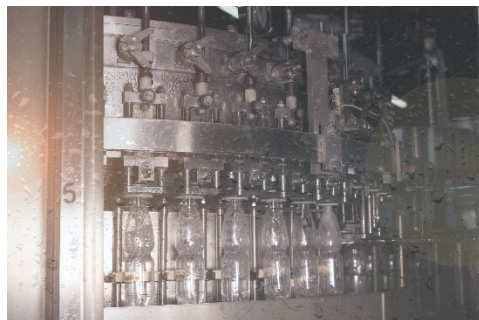
If you would like to find out more about the printers and inks available in the LEIBINGER portfolio, visit the LEIBINGER website: www.leibinger-group.com

Images captions



In warm, humid production environments, the air dryer developed by LEIBINGER ensures optimum printing results and outstanding adhesion.

Source: Paul Leibinger GmbH & Co. KG



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About Paul Leibinger GmbH & Co. KG (LEIBINGER)

LEIBINGER is a global specialist for marking and coding systems with its headquarters in Tuttlingen (Baden-Württemberg), Germany. This third-generation family-run company founded in 1948 employs a payroll staff of around 300 employees. Its primary focus is on the development and production of industrial inkjet printers and inks for use in the marking and coding of products. The solutions created by LEIBINGER are defined by their high quality standards and their innovative technologies. As the inventor of a ground-breaking nozzle sealing technology that makes ink-based marking and coding systems significantly less susceptible to contamination, now with tens of thousands of installations worldwide, LEIBINGER is able to assure higher productivity in the production of food and industrially manufactured products. Through its subsidiaries in the USA and China and its global network of around 150 distribution partners, LEIBINGER is able to maintain a close relationship with its customers right around the world.