

Case Study

Beverage Industry

Simple, reliable, economical.

SUMMARY

Paulaner Brewery is one of the largest German and internationally renowned breweries. 45,000 cans are coded per hour. Paulaner were faced with the **challenges of interruptions to production and low adhesion of ink.** MFG Technik & Service developed a **clever solution** for can labeling.

Paulaner Brewery Munich

With the new brewery site in Munich-Lochhausen, the most modern brewery in Europe was built in 2016. Here Paulaner produces 2.4 million hectolitres of beer annually on four returnable-glass lines and one canning line for the national and international market.

MFG Technik & Service GmbH

MFG Technik & Service GmbH has been a supplier to the Paulaner brewery in Munich since 2001 and has since supplied various printing and laser systems and assumed responsibility for servicing these. „Above all, we value the extremely fast and competent service MFG Technik & Service can offer,“ says Rainer Kansy, Head of Operations Technology.

CHALLENGE

Up to 45,000 cans per hour are filled and coded on the canning line. The empty cans reach the coding position via a conveyor line, where a vacuum belt sucks them in at the upper edge of the can and conveys them freely hanging over a certain distance. This means that the printer must be able to code from below onto the bottom of the can.



CUSTOMER

Paulaner Brewery Munich

INDUSTRY

Beverage Industry

DISTRIBUTOR

MFG Technik & Service GmbH



PRODUCT

Inkjet Printer



“The Hitachi printer was able to **meet** the **high demands** on coding quality and **reliable availability** of the marking system.”

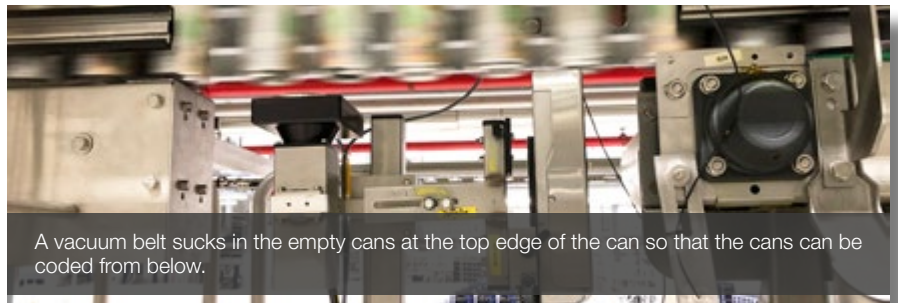


The twin nozzle printer has two nozzles per print head and encodes up to 45,000 cans per hour.

SOLUTION

A special type of the successful UX-D Continuous Inkjet Series is used on the canning line: the twin nozzle model UX-D860W. This model features **two nozzles installed in the print head**. This printer type can print up to eight lines or, as with Paulaner, two lines at a **very high speed** while also providing **high coding quality**.

Particular attention was paid to **ink selection**. The selected deep black ink that **adheres very well to the can material**. The ink and the appropriate solvent are filled into practical UX cartridge bottles. This allows operators to refill the printer **without interruption and cleanly**.



A vacuum belt sucks in the empty cans at the top edge of the can so that the cans can be coded from below.

RESULT

The twin nozzle printer was integrated into the in-house ERP system using a data server. Paulaner's standard „Weihenstephaner protocol“ is implemented as a data interface. On the one hand, the printer receives data such as best before date, production date, hour and shift code (letter code), and on the other hand, it constantly transmits its status (e.g. „ready“) to the responsible control center.

Rainer Kansy confirms the **success of the new system**: „The Hitachi printer was able to meet the high demands on coding quality and reliable availability of the marking system.“

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