

# SCREEN Adds AI to JetInspection System

SCREEN Graphic Solutions Co., Ltd. (SCREEN GA) has made significant upgrades to JetInspection, its high-resolution scanning and inspection system for digital inkjet presses. As well as improvements to JetInspection's core logic, these changes include the adoption of an inspection engine that utilizes the results of analyses conducted by newly developed AI software.

These advances are expected to provide a host of performance enhancements, such as the improvement of inspection accuracy. SCREEN GA plans to release JetInspection systems equipped with the new engine for its Truepress Jet520HD series and the Truepress Jet520NX.

## Outline

Digital presses have the ability to alter data during operation, allowing them to perform variable printing. This makes them ideal for high-speed output of personalized and transaction materials as well as limited copies of publications.

However, visual inspection is limited by human eyes and reprinting will be required if incorrect data is missed. In essence, the rapid, high-precision detection of any errors is a key factor in minimizing issues during printing.

The newly upgraded version of JetInspection features pre-trained AI software developed by SCREEN GA. This pre-training enables it to maintain a consistent level of accuracy while performing quality checks, without being affected by a user's individual operating environment or conditions. In addition to reducing false positives, this feature ensures variable print inspections can always be performed easily and accurately.

JetInspection's new AI also reduces the time required for daily fine-tuning of presses. This includes the adjustment of print heads, another factor that is essential for quality control. Similarly, the status of nozzles can easily be diagnosed during operation. This keeps the inkjet heads clean and prolongs their life. With these capabilities, even relatively inexperienced personnel can use a press efficiently.

SCREEN GA remains fully committed to meeting the diverse market needs of the printing industry. It plans to continue developing products and introducing solutions that will help printing companies to expand their business, with the goal of promoting the long-term growth of the industry.



## Truepress Jet520 Series

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