



## Quality assurance with the Print Control System

Product quality controls in the various partial processes in the manufacture of folding boxes are often necessary or desirable. Prior to die-cutting the sheet is printed on one or both sides, and then folded, glued and the box filled. Errors in the printed image of the product may turn out to be a costly quality defect. Known systems can check printed measuring targets. However, if there is no room for them on the sheets or the target has not been printed such systems fail.

As an alternative Polygraphische innovative Technik Leipzig GmbH (PITSID) for the first time present their Print Control System (PCS). Based on the principle of image recognition the PCS offers the simultaneous control of face and back printing and can be used on modern sheet-fed die-cutting machines. Printing of measuring elements is not required because the printed image itself is evaluated and printing-technological faults are indicated besides blind or misprinted sheets. The PCS signals the recognition of an error, and the faulty product can be separated or the machine be stopped. With the help of the PCS faulty sheets can be sorted out, there is no need for visual control and the quality of the final product is enhanced. The measuring system can also be used for image recognition in other partial processes.

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