ColourBrain®
Automatic optical inspection of digital
printed web or panel

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Optical Inspection

- 100% web control and safe detection of every defect.
- Combination of defect detection and measurement of colour appearance by calibrated colour camera systems.
- High speed inspection on up to 450ft/min.
- High resolution inspection for up to 720 dpi.
- Strictly modular to adapt on every printing width.
- Inline Inspection on single pass printing machines.
- Inspection with next generation texture algorithms without image comparison on RIP data.
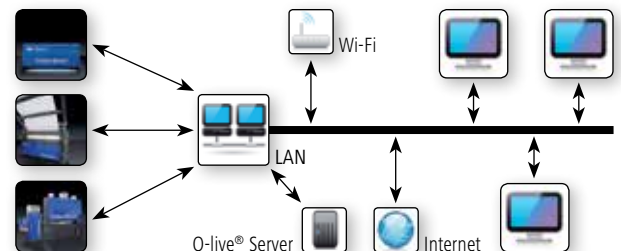

Process control and process optimization

- Precise grading of all defects by Q-brain® classification.
- Classification according to kind and cause to optimize production quality.
- Grading of visibility of defects in order to keep lines running.
- Measurement of colour all over width of digital printed web to insure colour consistency all over print batch.
- Quick start up start of print batch by colour match of stored reference décor and new print job at the start of the batch.

Quality management with Q-life® and Q-brain®

- Classification of every defect by Q-brain® and direct link to data base Q-live®.
- Various tools to statistically analyze cause and reasons of all kind of printing problems.
- Online analysis of reasons and variation of defects in order to optimize productivity.
- Early alarms to avoid production with visible nozzle problems.

ColourBrain® DoD Inspector

ColourBrain® DoD Inspector is a modular inline system for the detection of defects on digital printed web or board material. By using high resolution and high speed line scan camera systems smallest defects and deviations are safely detected. ColourBrain® DoD Inspector monitor production, monitor production process and classify each deviation to improve productivity.

ColourBrain® DoD Inspector alarms in case of a high amount of defects or many defects of a kind.
For statistical analysis, all defects and images of defects could be stored by a data base system which provides many of tools for analysing and optimizing the production process.

Baumer

More information on
www.baumerinspection.com