ColourBrain® Panel 4.0
– compact, simple and intuitive for your coating line.

ColourBrain®
Panel 4.0

Compact quality assurance in your production.

Easy integration into your production line.

The *ColourBrain® Panel 4.0* system is the small and smart version for the optical inspection of melamine-paper coated fiberboards after pressing and edge trimming in the longitudinal run. *FlashingSky®* technology enables precise evaluation - independent of the conveyor belt you are using. Due to the reduced size to the minimum, the system can be easily integrated into your existing transport. The components are inspected on both sides for decor defects and damages with a reliable and stable detection performance. A distinction can be made between process-related defects, such as heat streaks or paper misalignment, or sporadic individual defects, such as contamination. Inspection of the synchronous pores is already integrated in the system. The offset between decor and embossing structure is determined and non-tolerable offsets are alarmed.

Our defect detection, optimizes your production.

Your benefits at a glance:
- Small installation length, low working height - only a small gap in the transport is needed.
- Standard belt or roller transport sufficient - no vacuum transport neccessary.
- Blowing off and exhausting as cleaning are sufficient.
- *Q-Brain®* classification of defects and allocation in the production process.

Q-Brain® ready

Q-Live® ready

Product data *ColourBrain® Panel 4.0*

Inspection objects	melamine-paper coated particle board
Production speed	0-100 m/min (non-slip)
Components height	8-60 mm
Working height	950 mm
Material flow types	Series
Supported transport systems	Belt conveyor or calibrated, rubberized rollers

Cost reduction through process optimization.
- By alarming systematic defects at an early stage, their cause can be eliminated and thus costs can be reduced.

Low investment costs.
- Due to our *FlashingSky®* technology, the use of a standard belt or roller conveyor is sufficient. Due to intelligent evaluation functions, no extensive cleaning is necessary. Due to the retained EIR evaluation function, no further system extensions are necessary.

Intuitive & Ease of Use.
- The user interface provides an easy-to-understand overview about complex information and focuses on it to the essentials for the plant operator.

Low Space Requirement in your Production.
- Due to the small installation length and the low working height, less space is required in your production line.

Integration into your Transport system.
- The integration of our system into your existing transport system, reduces your purchase costs and allows you to place the system at any location within the production line.
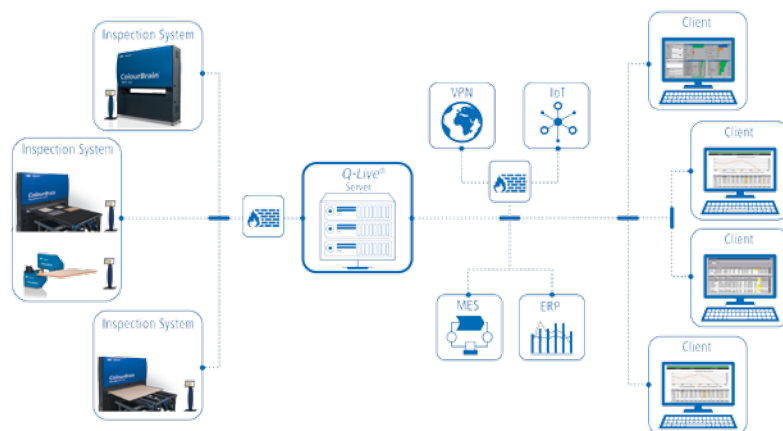
Flexible Connectivity.
- High flexibility through predefined interface protocols for machine-to-machine communication to other systems within your production line.

The robust system is optimally designed for use in harsh environments.

Perfect extension.

Q-Live® enables consistent data generation and the evaluation of sorting results, as well as the comparison of your quality standards in a plant or across the group.

Baumer
Inspection

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