

ColourBrain® MFC 4.0 – Process optimization in your coating line.



Inspection in your modern production.

Quality assurance and resource conservation.

The *ColourBrain® MFC 4.0* system is designed for the optical inspection of melamine paper-coated fiberboards after pressing and edge trimming in a longitudinal pass. The components are inspected double-side on decor defects and damages. A distinction can be made between process-related defects, such as heat streaks or paper misalignment, or sporadic individual defects, such as contamination or decor particles. The early alarming of systematic defects enables their cause to be eliminated and thus costs to be reduced.

The system is perfectly extended with *ColourBrain® EIR 4.0* which measures the offset of decor and embossing on flooring/ furniture panels with synchronous pore and alerts non-tolerable deviations. Since the system works in the decor area, it is not dependent on register marks. Using *Q-Brain*, defects are assigned to defect groups and system settings are standardized with *Q-Live*. Templates create order in the decor diversity of board production.

Our defect detection, optimizes your production.

Your benefits at a glance:

- Reliable detection of typical coating defects.
- Elimination of the cause of defect by alerting systematic process errors.
- *Q-Brain®* classification of defects and allocation in the production process.



Product data *ColourBrain*[®] MFC 4.0

Inspection objects	melamine-paper coated fiberboard - particleboard, MDF, HDF
Production speed	0-100 m/min (non-slip)
Components heights	8-60 mm
Working height	1.300 mm
Material flow type	Serie
Supported transport systems	Belt conveyor (in exceptional cases with vacuum)

Cost reduction through process optimization.

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

Consistent data generation.

- Data generation and analysis tools help to align your quality standards within a plant or even across the group.

Fast Installation & Easy to Maintain.

- The delivery of a pre-set system ensures a short installation & commissioning. In addition, the ease of cleaning and maintenance, due to the closed system structure contributes to high system availability.

Flexible Integration.

- Optimal support for integration planning into your production line at any location, after edge trimming.

Flexible Connectivity.

- High flexibility through predefined interface protocols for machine-to-machine communication to other systems within your production line.

Intuitive & Ease of Use.

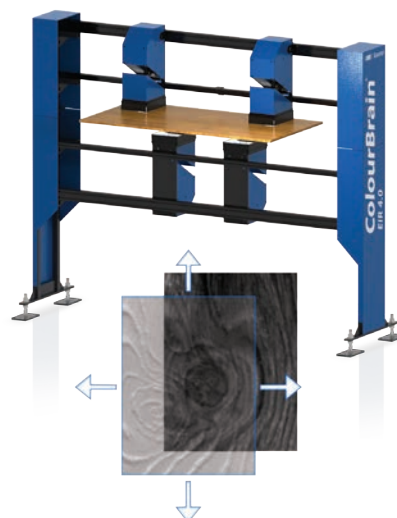
- The user interface provides an easy-to-understand overview of complex information, focusing on the essentials for the plant operator.

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



Perfect extension.

ColourBrain[®] EIR 4.0 compact inspection units with camera and LED lights for simultaneous recording of decor and structure images enable misalignment measurement between decor and embossing. Offsets that cannot be tolerated are reliably alarmed.



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