



**Baumer**  
Inspection

## *ColourBrain® Flooring 4.0* – The latest technology for modern flooring production.



### Inspection on a new level.

Process optimization simple, fast and precise.

The *ColourBrain® Flooring 4.0* system is the further development of our proven system - equipped with the latest technology, enhanced defect detection and with a new, intuitive user interface. The results are impressive inspection results for deep structures, small edge chipping and critical overlay defects. The innovative system is designed for the optical inspection of melamine paper-coated flooring boards immediately prior to packaging.

On request, the system design is also possible for other flooring productions, such as LVT & SPC. It is ideally complemented by the *ColourBrain® V-Shape 5.0* systems for checking the bevel coating of the V-joint directly after coating application in the profiling line and *ColourBrain® Clip* for checking correct clip insertion directly after clip assembly. If defective planks are detected, they are automatically rejected before packaging.

### Our defect detection, optimizes your production.

Your advantages at a glance:

- Objective detection of the smallest defects, independent of decor and structure.
- Checking of profiles for presence and completeness.
- Improvement of your product quality through immediate process optimization.
- *Q-Brain®* classification of defects and assignment to the production process.



# Product data *ColourBrain*<sup>®</sup> Flooring 4.0

Inspection objects	melamine-paper coated floorboard, on request: LVT, SPC etc.
Component widths	1.400 mm, 2.400 mm, 2.800 mm
Production speed	0-80 m/min (non-slip)
Components heights	6-12 mm
Material flow types	Series, single-track
Supported transport systems	Belt conveyor (cam transport recommended)

## 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.

## Planning and Investment Security.

- Sollten sich Ihre Anforderungen einmal ändern, sind dank unserem modularen Aufbau jederzeit Systemerweiterungen möglich – hardware-, sowie softwareseitig.

## Integration in your Transport System.

- Easy integration of our system into your existing production line, before packaging. Existing systems can simply be replaced without reconstruction.

## Improved Data Management.

- The user interface provides an easy-to-understand overview of complex information, focusing on the essentials for the plant operator. Templates create order in the decor diversity of flooring production.

## Low Space Requirement in your Production.

- The compact design allows fast installation into your production environment. The system is available in three system sizes and thus adapts to your production conditions.

## Flexible Connectivity.

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

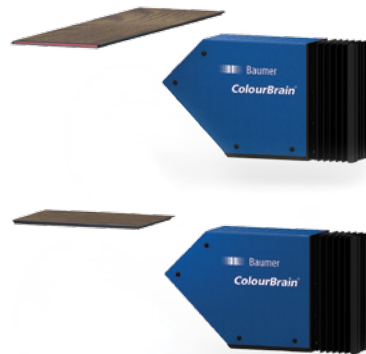
Through this trio of systems, all defects that can occur in the process are detected - surface, profiling, painting and clip insertion defects.



## Perfect extension.

*ColourBrain*<sup>®</sup> *V-Shape 5.0* monitors the coating application of the V-joint for completeness and quality. The inspection modules for the longitudinal and transverse edges are integrated in the profiling line, directly behind the edge coating units.

*ColourBrain*<sup>®</sup> *Clip* inspects the correct assembly of the plastic clip after clip insertion. The module automatically detects missing, displaced or broken clips and reliably ejects defective planks before packaging.



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