

## *ColourBrain® Furniture 4.0* – Technologically Leading in Furniture Inspection.



### Defect detection with highest precision.

Baumer presents next innovation.

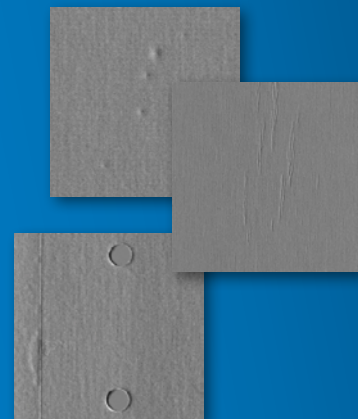
The inspection system *ColourBrain® Furniture 4.0* is the technology leader in the double-sided inspection of foil-coated, melamine-coated and lacquered furniture panels. The outcome are impressive inspection results: Surface defects such as bubbles, dents, fine scratches or shiny spots are precisely recognized in their smallest size - whether in, diagonally or transversely to the feed direction.

An optional drill hole monitoring also checks for the integrity of drilling holes and profile deviations of grooves. The *ColourBrain® Furniture 4.0* system can be used both in series production and in batch-1 production for defect detection and process optimization. In the most advanced stage the brand new *X-Light* illumination in combination with the first-class *multiReflex®* inspection module to identify additionally any gloss defects.

### Our defect detection, optimizes your production.

Your benefits at a glance:

- Objective detection of smallest defects, independent of decor and structure.
- *Q-Brain®* defect classification and assignment in the production process.
- Improve your product quality through immediate process optimization.
- Monitoring of drill holes and grooves.
- The system is suitable for both, series and batch-1 operation.



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

Inspection objects	Foil-, melamine-coated and lacquered furniture boards
Component widths	800 mm, 1.300 mm, 2.200 mm
Component heights	3-60 mm, variable by automatic height adjustment
Production speed	0-100 m/min
Material flow types	Series, batch-1, in tracks, component carpet, panel under foil, endless
Supported Transport Systems	Belt strap, surface belt, roller transport (calibrated rollers)

## 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 with integrated cleaning, contributes to high system availability.

## Planning and Investment Security.

- Should your requirements change, thanks to our modular system design, extensions are possible at any time - hardware as well as software side.

## Integration in your Transport System.

- The integration of our system into your existing transport system, reduces your acquisition costs and allows to place the system in any production line in the world.

## 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.

## 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.

The modular system structure allows optimal adaptation to your production and your requirements.



## Perfect extension.

*ColourBrain*<sup>®</sup> Edge, compact camera heads with integrated LED illumination monitor every edge in your furniture production with the highest resolution and scan rate and complementing the surface inspection in ideal way.



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