

ColourBrain® DrillCheck 4.0 – Drill pattern control with smart 3D technology.



Drill pattern control simply integrated.

Baumer presents the innovation for drill hole pattern and grooves.

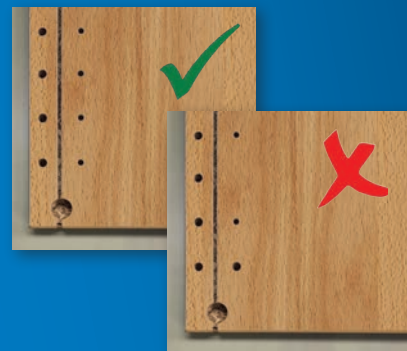
The inspection system *ColourBrain® DrillCheck 4.0* is the technological leader in the inspection of drill hole patterns for furniture components. Deviations in the pattern and grooves are reliably detected, visualized and alarmed. The inspection can be carried out on one or both sides of the component and with an additional module, also on the narrow side - without adjustments to the decor and structure and completely independent of height. The compact design is optimized for fast setup and allows

easy integration into your existing production line. Fixed preset, calibrated multi-sensors and predefined inspection parameters on delivery ensure easy commissioning according to the „plug-and-work“ principle. Thanks to the ready-to-install solution with laser scanning, the *ColourBrain® DrillCheck 4.0* inspects your entire product range in just a few steps and without any adjustment to component thickness, surface structure or decor.

Our defect detection, optimizes your production.

Your benefits at a glance:

- With the smart 3D technology, drill hole patterns and grooves are reliably checked. Deviations are detected, analyzed and reported.
- The inspection is independent of the decor, structure and thickness of the components.
- Fast integration and commissioning according to the „plug-and-work“ principle.
- Product change through simple Teach-In or the transfer of existing patterns.
- Improvement of the quality standard through immediate inspection after drilling.
- The system is used for process monitoring, both in series and batch 1 production.



Product data *ColourBrain® DrillCheck 4.0*

Test objects	Foil, melamine-coated and lacquered furniture panels
Component widths	800 mm, 1.300 mm, 2.500 mm
Component height	8-60 mm (no height adjustment necessary)
Production speed	0-100 m/min
System dimensions	L 400 mm x H 500 mm x W (approx. 1.200 / 1.700 / 2.900 mm)
Material flow types	Series, lot 1
Supported transport systems	Roller-, belt- or band conveyor

Fast Installation.

- The delivery of a preset, calibrated system for self-assembly ensures a short installation and commissioning time.

Integration in your Transport System.

- The possibility to integrate the system into your existing transport system reduces the conversion costs to a minimum and allows you to place the system at the appropriate position within the production line.

Low Space Requirement in your Production.

- The compact and modular design allows fast and easy installation in your production environment. The system is available in 3 system sizes and thus adapts to your production conditions.

High System Availability.

- Due to the closed system design, the system is almost maintenance-free and thus enables high availability and low operating costs.

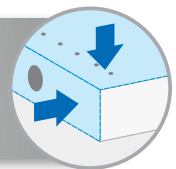
Simple Handling, intuitive Operation.

- A product change is carried out with just a few clicks, or automatically without further settings, adjustments and set-up times. The user interface summarizes the essential information and supports the system operator in an optimal way.

Safe Inspection according to Requirements.

- A production with reliable, mechanical inspection meets the requirements of a holistic quality inspection. A qualification as preferred supplier can be supported by production reports.

The modular system design allows optimal adaptation to your requirements
- up to 360° inspection for all component surfaces parallel to the feed direction.



Perfect extension.

ColourBrain® X-Side 4.0, compact camera heads check the drill holes on the narrow sides.

ColourBrain® Furniture 4.0, the surface system detects defects on the component surface.

Q-Live® is the optimal tool for process optimization. With statistical analyses of defects and extensive reporting functions.



Baumer Inspection GmbH

Lohnerhofstrasse 6 · DE-78467 Konstanz · Germany
Phone +49 (0)7531 99 43 0 · Fax +49 (0)7531 99 43 44
info@baumerinspection.com · www.baumerinspection.com

More information on:
www.baumerinspection.com

