

ColourBrain[®] MFC 4.0

The next generation of board inspection

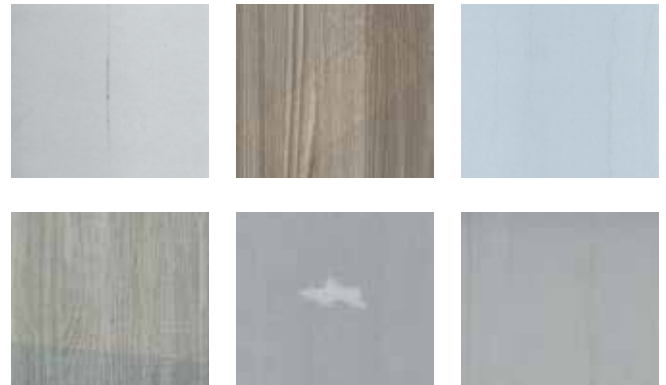


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Automatic optical inspection and classification

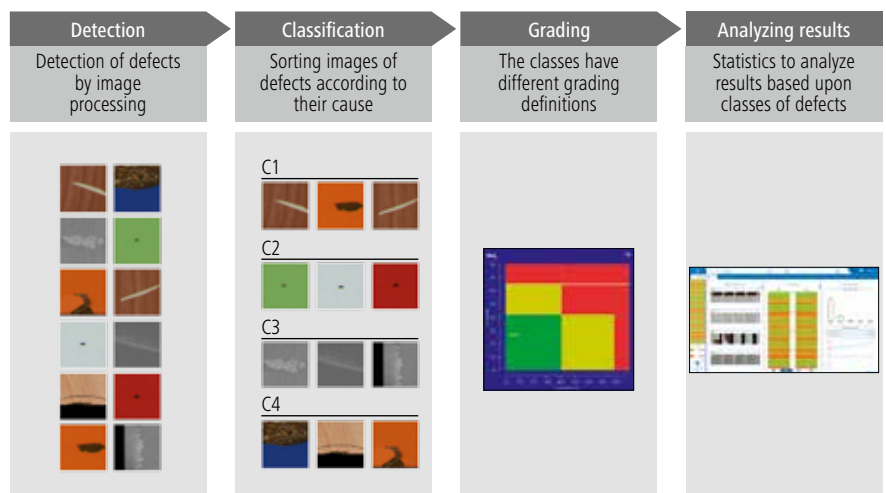
Optical Inspection

- Brand new cameras with state of the art technology designed and produced by Baumer.
- On-board image processing by using fast FPGA hardware.
- High speed scanning and high sensitivity is guaranteed for safe detection of all defects.
- Multiple angles arrangements of imaging and illumination allow sophisticated defect detection.
- Spectral defined illumination for safe detection of heat streaks and resin spots.



Classification and statistical analysis of all defects

- *Q-brain*® classifies defects according to its cause in the production process.
- Continual production monitoring and immediate alarms, triggered when defined tolerance deviations are passed.
- *Q-live*® data base system for statistical analysis and improvement of production.
- Differentiation between real defect and dirt particles on the surface.



Flexible and easy to operate

- New designed ergonomic user interface for easy handling, training and settings.
- Product recipes of all kinds with standard classification for all defects.
- Pre-calibrated scanners with defined arrangements and standardized conditions provided for all production lines.
- Process line integrated, automatic change of recipe allows highest production flexibility.



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