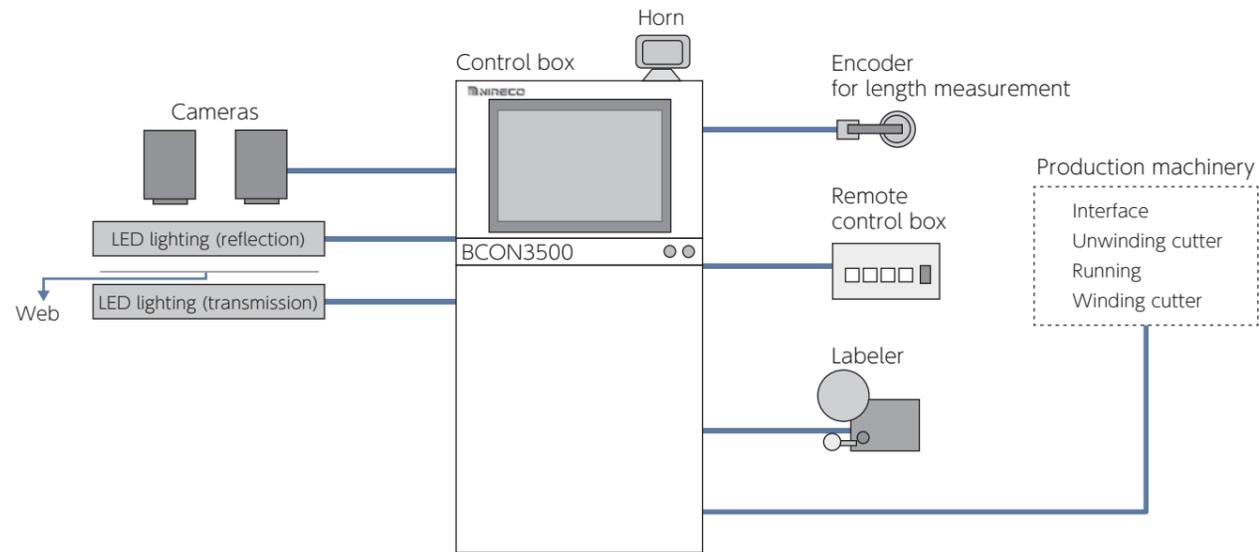


Equipment configuration

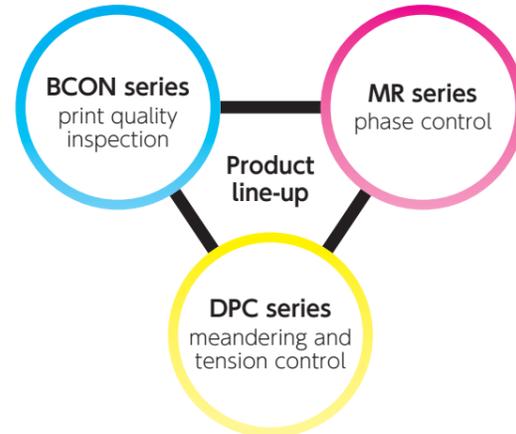


Specifications

- High-speed 4096-pixel 70 MHz cameras
- High-brightness LED lighting
- A total of 8 defect-detection circuits
3 point-detecting circuits / 4 line-detecting circuits / 1 gradation-detecting circuit
- An all-in-one processor
 - Camera inputs: 4096 pixels x 2 channels
 - Length measurement encoder 1-system input (A/B phases)
 - Remote control box input
 - Plate cylinder encoder input (Z phase)
 - Labeler output 1-system (when labeler is used)
 - External interface inputs (unwinding cutter / running / winding cutter)
- Signal cable length
Up to 18 m (standard)
Up to 100 m (using an optical link)
- Viewer PC connection (optional)

Performance and product line-up

- Gravure printing
- Rewinders
- Dry lamination
- Extrusion lamination
- Coaters
- Label printers, etc.



The contents of this catalog are subject to change without notice. Please confirm details with our Sales Division during your planning stage.

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NIRECO



A high-performance model
with the cost advantage of single-sided-only inspections

PRINT QUALITY
INSPECTION SYSTEM **BCON3500**

Sister machine to the BCON5000

By offering only single-sided inspections and functions, we have achieved a more affordable price.

The BCON series — expanding through Nireco's proven performance

The BCON3500 uses the inspection technologies that Nireco has developed, to help improve product quality through reliable inspections. It inspects a wide variety of substrates, "visualizes" the inspection, and is easy to operate.

Examples of detected defects



Major defect (insect)



Short defect (whisker)

Result-delivering 8-circuit inspections

Point defect detection : 3 circuits
Line defect detection : 4 circuits
Gradation defect detection : 1 circuit

In addition, the system can also detect defects such as fish eyes, burns, dirt and scuffing marks.

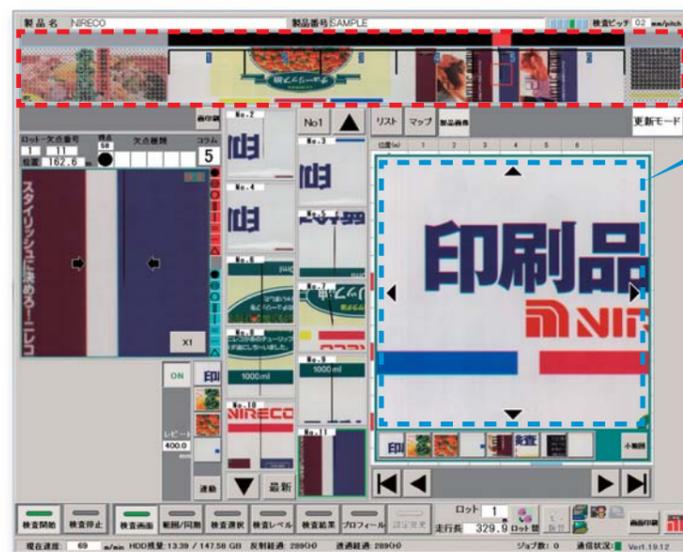


Hair



Gradations

Screen layout



Overall view screen

Still image Lite PSI

- Point memory function
- Defect linking function (* relies on synchronization signals)
You can concentrate on monitoring the area where defects occur.

Optimum icon size for touch-screen operation

* Synchronization signals are timed so that the inspection system can make stable inspections (1 pulse per rotation of the plate cylinder).

Nireco LED lighting — the product of technology and know how

High-brightness LED lighting uses basic optical principles to enable the inspection of a wide range of substrates.

Features

- Illuminates the web with the optimal level of brightness
- A standard light-emitting length of 1400 mm. (When width = 1200 mm)
- Can be manufactured in 200-mm-unit lengths. (Optional)



Profile screen

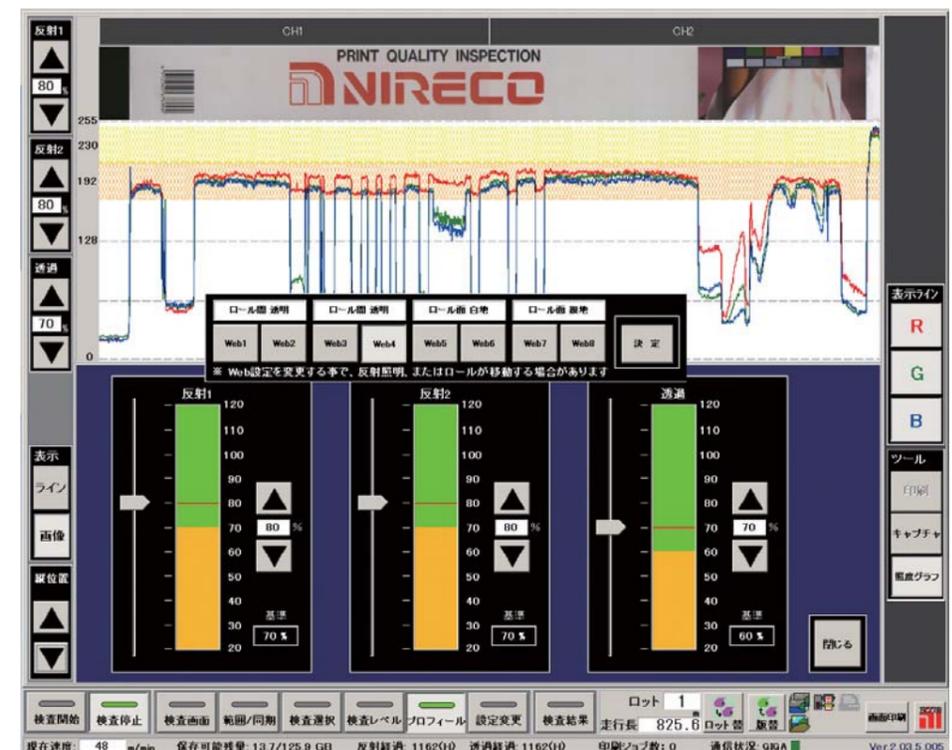
LED illumination gauge

This feature detects printing and web processing defects and graphically displays the appropriate amount of illumination from lighting systems required for a wide variety of different substrates, providing support to the factory floor through its intuitive operating environment.

LED profile ON and SAVE functions

A feature inherited from the BCON2000: you can check the camera signal waveform during the inspection. You can also save the camera signal waveform data that you have checked.

Functions that change the way inspections are made



■ Green : optimal zone ■ Orange : low-light-level zone — Red line : current light level (illumination %)