



THE POWER OF PRECISION



THE ULTIMATE PRINT QUALITY CONTROL



ed. 05/2024



ACEPRINTCHECKER

100% PRINT INSPECTION SYSTEM

Our system is designed to meet the need for comprehensive control during the printing process, ensuring precise inspection of the entire print format and detailed archiving of all defects detected during production.

DISTINCTIVE BENEFITS:

- Real-time process monitoring, with the ability to operate at speeds of 500m/min and precise identification of defects based on their type and size.
- State-of-the-art RGB linear cameras with 4K resolution, capable of detecting defects as small as 0.2 mm on a wide range of printing substrates
- For simpler or more cost-effective applications, the option to use “bilinear” cameras with 4K resolution is available.
- Automatic generation of detailed job reports and effective waste management for optimal production control.
- Integration with the Digital Strobe camera for comprehensive and detailed viewing of print details.
- Real-time monitoring of the entire print format on UHD monitors, regardless of production speed.

APPLICATION SECTORS:

- **FLEXOGRAPHIC PRINTING**
Central drum, stack type, in-line, narrow web downstream label printing presses
- **ROTOGRAVURE PRINTING**
Packaging Printing, Converting, Paper and Cardboard Printing, Publishing Presses

100% INSPECTION



ACEDIGITALSTROBE

SINGLE OR DUAL CAMERA SYSTEM FOR INSTANT FRONT OR FRONT/BACK MATRIX CONTROL

Our system delivers flawless image reproduction at any desired speed, ensuring superior visual quality. With its adjustable zoom function, it enables detailed analysis down to the smallest details.

DISTINCTIVE BENEFITS:

- A digital matrix camera with an extraordinary 24MP resolution, ensuring sharp images faithful to the original colours.
- Four groups of LED lighting guarantee uniform illumination, ideal for inspecting a wide range of substrates, including metallic ones.
- The 21" multi-touch display offers an intuitive and immediate user experience, thanks to a well-designed operator interface that simplifies print settings control.
- Equipped with synoptic alarms that signal any printing issues not conforming to standards.
- Features such as preset registration, barcode verification, and color variation monitoring enhance functionality.
- Measurement of print pitch and trend visualization enable accurate and continuous production control.

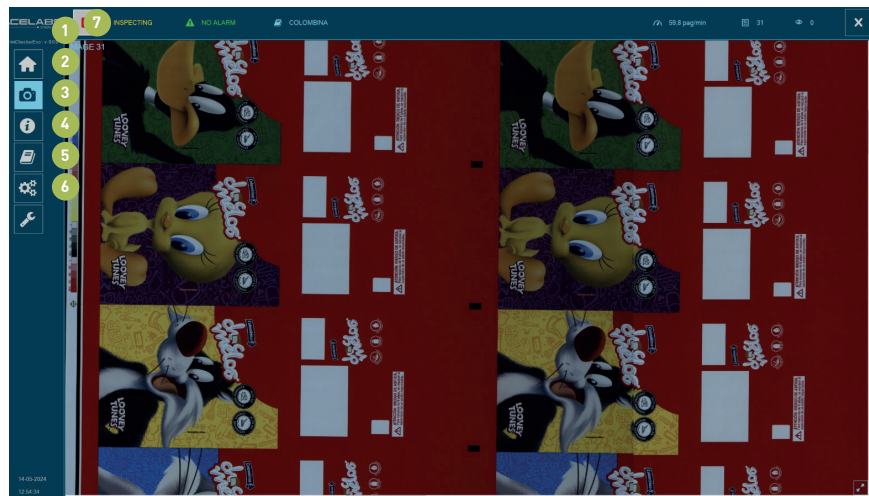
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HMI & SYSTEM CONFIGURATION

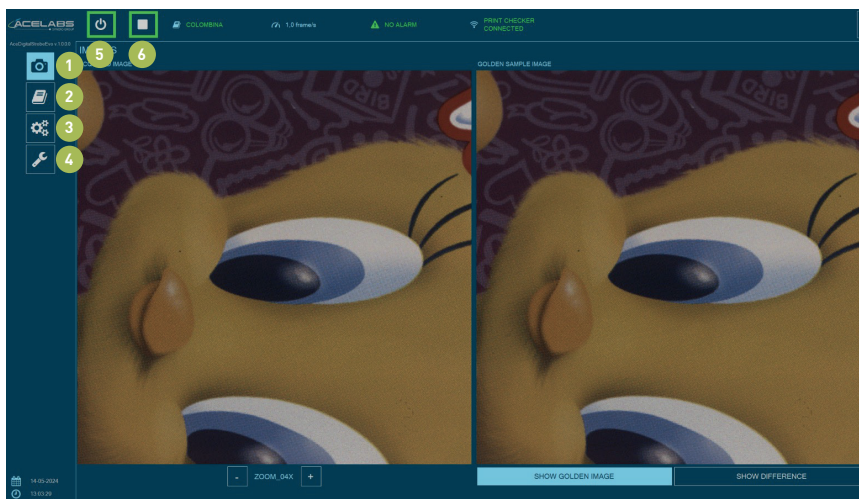
ACEPRINTCHECKER



1. REEL DEFECT MAP
2. DIRECT IMAGE
3. REEL DEFECT DETAILS & REPORT
4. RECIPE CONFIGURATION
5. SYSTEM CONFIGURATION
6. MAINTENANCE
7. START/STOP ACQUISITION&INSPECTION

ACEDIGITALSTROBE

1. DIRECT IMAGE
2. RECIPE CONFIGURATION
3. SYSTEM CONFIGURATION
4. MAINTENANCE
5. START/STOP ACQUISITION
6. START/STOP INSPECTION
7. ZOOM



ACELABS designs and manufactures automated systems and solutions for quality control for industry and based on artificial vision technologies. Established in 2006, AceLabs has emerged as a distinguished vision system integrator, dedicated to crafting advanced, tailored automated solutions for industry-wide quality control, all powered by cutting-edge artificial vision technologies. AceLabs extensive expertise lies in leveraging the visual characteristics of monitored products to extract critical process insights. This includes assessing quality parameters, determining spatial object positioning, evaluating volume and surface area, and decoding text and codes with precision. AceLabs is proudly part of Syncro Group since January 2022

ACELABS srl Via Enrico Fermi 30, 20019 Settimo Milanese (MI)

+39.02.45506488

www.ancelabs.it

info@ancelabs.it