



PixoAnalytics

PIXOQUALITY for packaging

Perfection, guaranteed.

Flawless
packaging,
through
AI vision.



PixoQuality

Existing quality control methods are

inaccurate

due to human sight
limitations



unreliable

with only random
checks not every
unit in the batch

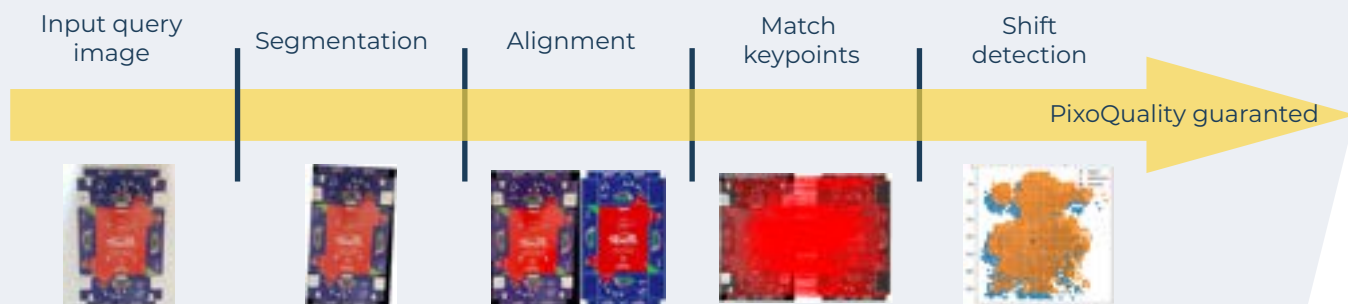
time- and cost-inefficient

due to manual labour
and expert training

- **Effective in high throughput:** our solutions easily integrate into production line and show high performance in challenging industrial environments.
- **Fully automated:** our technology automatically detects printing errors, such as: colour mismatches, missing patterns, misalignments.
- **Unmatched precision:** AI-based quality control is performed on every unit, not on a sample check as it is traditionally done in the branch.
- **Sustainability:** reduce carbon footprint and industrial waste.
- **Automate counting of cartons:** computer vision-based quantity validation with a smartphone.

Technical Approach

PixoQuality captures images of printed flat boxes directly from the production line and compares them with the reference design using advanced image processing and computer vision without a spectrophotometer. By analyzing the density and relative position of matching points, it automatically detects and highlights even the slightest defects or inconsistencies, minimizing the impact of misalignment and ensuring reliable differentiation between flawless and faulty prints.



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JOIN US, AND LET'S MAKE QUALITY ISSUES A THING OF THE PAST!



PixoAnalytics

Increase your competitive advantage with **Pixo ID**

PIXO ID 

How does it work?

REGISTER EACH PACKAGE



Print a rectangular or any other empty shape on the package, our technology will analyze its paper structure and assign a digital PixoID to it, that will contain all the information about the packaging and the product inside.



REAL-TIME TRACKING



The integrated PixoID is used to trace the packaging's movement across the supply chain, without any QR, barcode, or labels.



SCAN EASILY WITH A SMARTPHONE



If a label is damaged or lost and thereby the package is unidentified, operators can easily scan the printed shape to retrieve its digital PixoID.



RETRIEVE DIGITAL ID



When our technology identifies a match, it displays the assigned digital ID, enabling on-time delivery and authenticity of the item.



TECHNOLOGY

No label? No problem.

Each cardboard package has its unique and natural surface structure that we call fingerprints. Our technology creates a code with digital ID for each fingerprint and compares codes to find a match.

Take a photo of the marked region



magnify & process

Paper structure



create ID & save ID in database

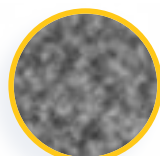


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magnify & process



create ID & compare with database



PixoAnalytics

retrieve Pixo ID and access product information

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Scan the same region with your smartphone

MORE INFO ON WWW.PIXOANALYTICS.COM