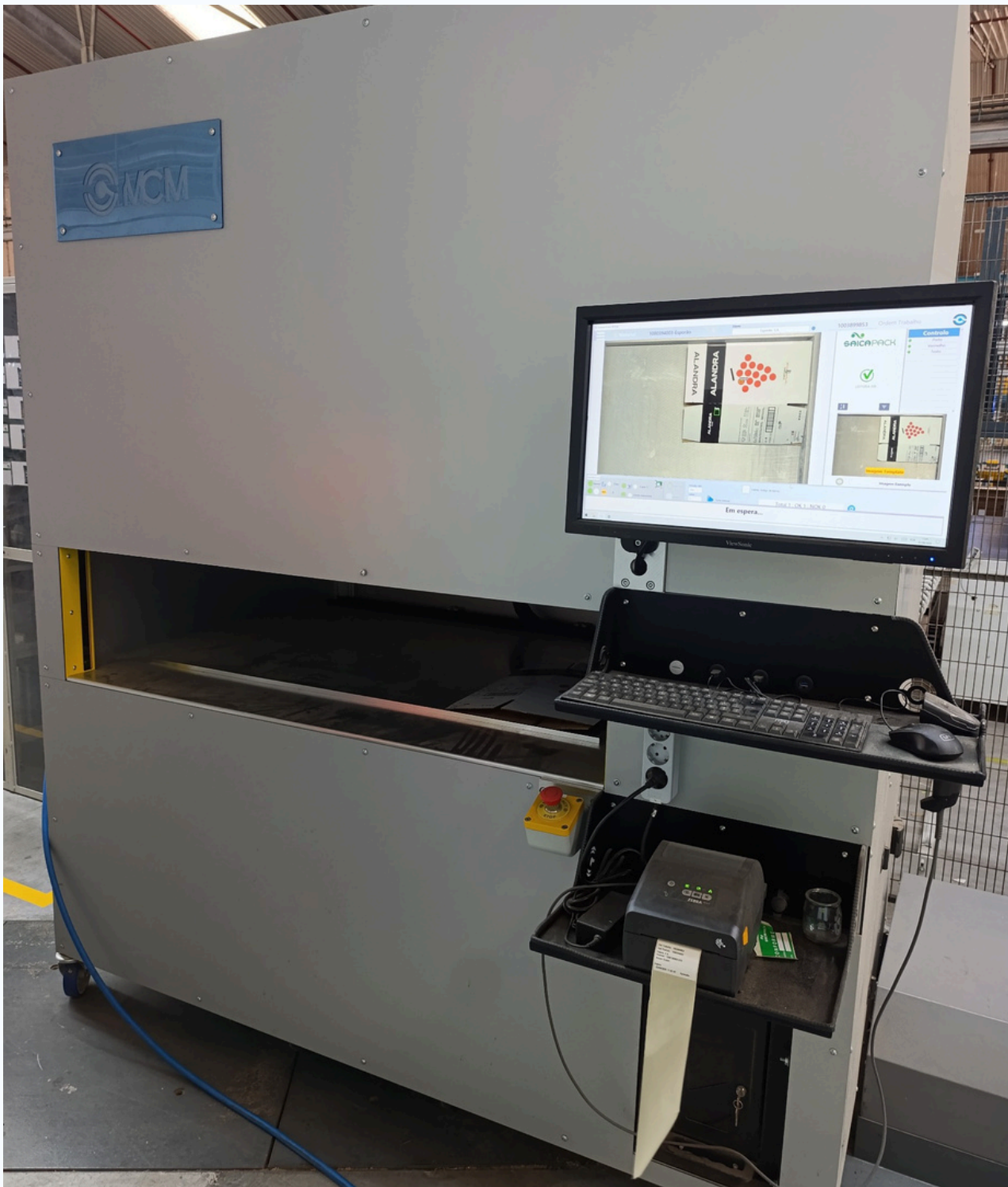


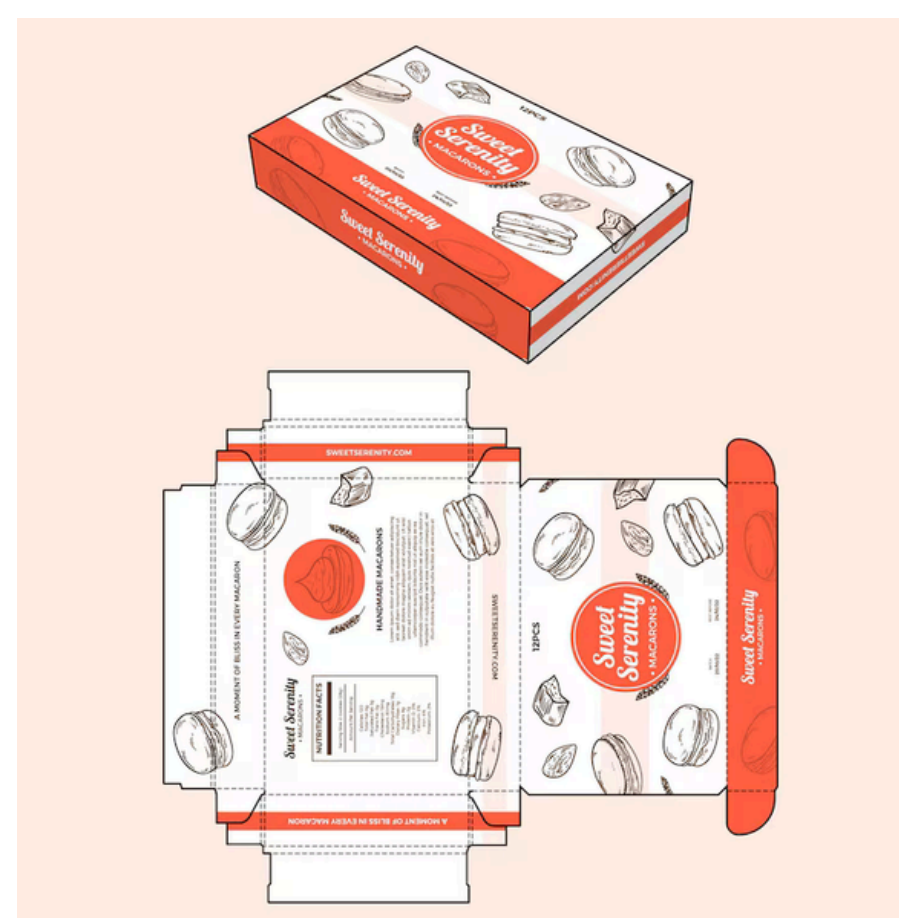
CORRUGATED BOARD QUALITY CONTROL

Reference-based inspection for Printed Packaging

A commercial inspection system that compares random production samples with an approved board to verify dimensions, cut geometry, print, colour, text and product identity.



Approved reference



Random production sample



Compare dimensions · cut geometry · colour · print · OCR / barcode

Production challenge

The quality team needed a faster and more objective way to verify finished corrugated sheets. Printing differences, text errors, colour changes, cutting misalignment or wrong product identity can be difficult to catch consistently with manual random checks alone.

MCM solution

MCM developed an off-line inspection system in which an approved board becomes the reference. During production, an operator can select a random sheet and place it in the machine. The system automatically compares the sample with the reference and records the inspection result.

TECHNOLOGIES USED

Machine Vision

OCR / Barcode

Colour Inspection

Database

Label Printing

Talk to an MCM engineer

Tell us what must be inspected or tested. MCM can review the application and define the most robust approach for your production conditions.

[+351 910 074 856](tel:+351910074856)

geral@mcmsystems.pt

[WhatsApp](#)

www.mcmsystems.pt



Scan to contact MCM
on WhatsApp

COMMERCIAL CASE STUDY

From production challenge to repeatable quality decision

The system concept, test coverage and final acceptance criteria are tailored to the product, process and production environment.

What the system checks

- Overall dimensions and cut geometry
- Print position and registration
- Colour consistency
- Text and graphical content
- Barcode / code verification
- Product / variety identity

Customer value

- Faster random quality checks
- Objective comparison against an approved reference
- Digital record of inspection results
- Inspection label can be printed with relevant information
- Improved traceability and consistency

Typical MCM project path

Sample / requirements → Feasibility → Engineering → Build & FAT → Installation → Support

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