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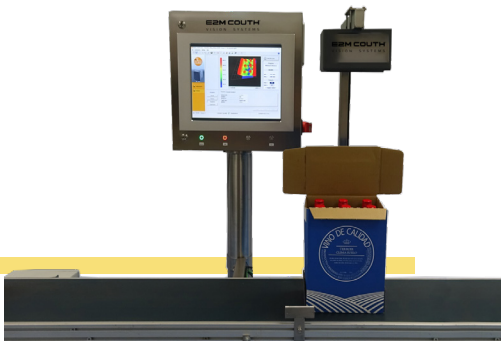
VISIOBOX



Artificial vision inspector to check boxes

VisioBox is a turnkey system installed before the palletisation system.

Speed
10,000 UPH

ADVANTAGES

- **High-performance** production, up to 50,000 UPH.
- **Easy** installation on pre-existing belt.
- **Robust**, **compact**, and resistant design.
- **Easy and fast** format and product changes.
- Does not require **maintenance**.

CHARACTERISTICS

- 1 high-resolution colour or black and white camera.
- Endless number of formats.
- Endless number of analyses.
- 200 mm x 200 mm x 200 mm shell fixed to the ground with a leg.
- The 3D sensor is located inside the shell with a micrometre adjustment holder.
- Glossy polished stainless steel box, measuring 400 x 400 x 200 mm.
- Leg on floor, can be turned toward the operator.
- 17" screen.
- Control panel made with stainless steel.
- Intuitive user interface.
- Remote control and remote diagnosis via the internet.
- Parameters and tolerances allowed for each format.
- Production statistics in real time.
- Automatic height adjustment.
- Software able to manage rejection and external inspection signals.

OPTIONAL/VERSIONS

- **VISIOBOX - V:** uses an azimuthal B/W camera to inspect the box and/or its content with visible light.
  It may include additional lateral cameras to inspect logotypes, labels, and defects.
  It is suitable for any kind of container and can verify size, colour, direction, present/missing containers and caps, box format, etc.
- **VISIOBOX - S:** uses a scanner that projects a laser beam onto the moving box, thereby obtaining a 3D model of the ensemble.
  Two models available, standard and low-cost, depending on the required resolution.
  Suitable for plastic containers or with caps on high-speed lines.
  Includes all VISIOBOX-T features. The standard version includes the linear B/W camera.
- **VISIOBOX - T:** uses a TOF (Time Of Flight) camera with built-in infrared NIR (Near Infra-Red) lighting.
  In addition to taking an image, this kind of sensor can measure height through time-of-flight measurement, thus obtaining a 3D model of the box with the containers.
  It is suitable for checking whether plastic containers are present or missing, or containers with any sort of cap.
  Verifies that the container heights fall under the required range.