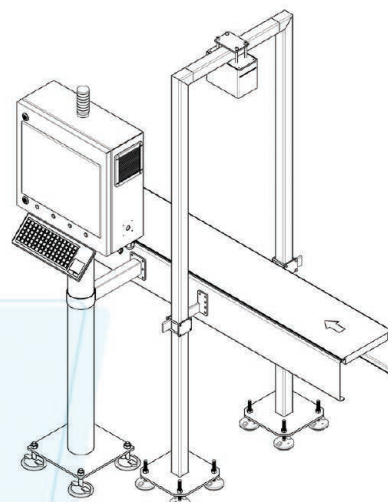# VISIOBOX

Machine vision inspection system for cardboard boxes flaps control.

- ✓ Silent system.
- ✓ Easy installation on existing conveyor.
- ✓ Compact and robust design.
- ✓ Minimum preventive maintenance
- ✓ Long life system and fast amortization.
- ✓ Water jet cleaning for dripping lines of dairy or sticky content (MS Series V).
- ✓ Intuitive format change.
- ✓ Compatible with third-party inspection systems.
- ✓ Configurable division strategies.

DESCRIPTION

- The VisioBox is a turnkey system, installed before the palletizing system, for the artificial vision control of raised flaps and / or a bad orientation of the cardboard box.
- 1 CCD B / W 1.3 Mp camera.
- Intuitive and simple operating system Windows 10 IoT.
- Easy format configuration.
- 17" touchscreen monitor.
- High performance production, multi format.
- The system manages rejection signals, encoder, etc.
- Externally controlled via LAN or VPN.
- Remote control (Ethernet or modem).
- E2M remote technical assistance.
- IP65 protection stainless steel enclosure.
- Encoder for the detection of the position of the container.

E2M

ORIENTING | INSPECTING | REJECTING

ANY KIND OF EMPTY OR FULL BOTTLES AND CONTAINERS

TRACEABILITY · TRAÇABILITÉ · TRAZABILIDAD

VISIOBOX

Machine vision inspection system for cardboard boxes flaps control.
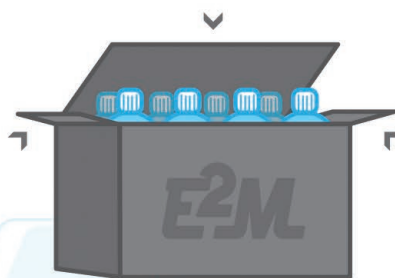
VELOCITY
10.800 CNT/H

GAP
150 [mm]

FEATURES

- Max. processing capacity (u / h): up to 10,000 depending on the analysis.

- Max. number of programs (formats): unlimited, only depends on the memory of the PC.

- Max. number of analysis (windows): unlimited, only depends on the PC memory and production.

- 200 mm x 200 mm x 200 mm enclosure fixed to the ground with one foot.

- 3D sensor with its micrometric adjustment support is placed inside the enclosure.

- Easy assembly, without modifications.

- Polished satin stainless steel enclosure 400 x 400 x 200mm.

- Foot on the ground and orientable towards the operator.

- 3 color beacon for indication of states and alarms.

VERSIONS / OPTIONALS

- 1) VISIOBOX - V: Use a B&W or color azimuth camera to inspect the box and / or its contents with visible light. It can include additional lateral cameras for the inspection of logos and labels, defects. It is suitable for any type of container and is capable of verifying size, color, orientation, presence / absence of containers and caps, box format, etc.

- 2) VISIOBOX - T: Use a TOF (Time Of Flight) camera with built-in NIR (Near Infra-Red) infrared illumination. This type of sensor, apart from capturing an image, is capable of measuring height through the time of light propagation, thus obtaining a 3D model of the box with containers. It is suitable for checking the presence or absence of plastic containers or of any type of container with a cap. It verifies if the height of the containers is in the required range.

- 3) VISIOBOX - S: It uses a scanner that projects a laser beam on the moving box, obtaining a 3D model of the set. Available in two models, standard and low cost, depending on the resolution required. It is suitable for plastic containers or with stoppers in high speed lines. It includes all the features of VISIOBOX - T. The standard version includes a B&W linear camera.