

EBIVISION

Empty bottle inspection system.



- ✓ Meets and exceeds all safety standards required in the industry.
- ✓ It incorporates a pressure switch to warn about the lack of compressed air.
- ✓ It does not require maintenance; it does not need lubrication.
- ✓ Electronics, inspection and control programs.
- ✓ Inspection enclosure with the lighting system and cameras with IP 65 degree of protection.
- ✓ Supports and linear guides with digital position indicator for a quick change of format.

DESCRIPTION

- The equipment inspects the walls, bottom and height of the container sideways. The aspects that can be detected are mainly: for lateral walls - foreign bodies attached to the walls of the container such as stains; for bottom of the container - presence of foreign bodies or liquids, breaks.
- You can inspect, without losing efficiency, glass containers of any color as long as they are translucent. The inspection is not affected by the rotation of the container as two images are taken at 90°.

FEATURES

- Maximum inspection speed 90,000 units / hour, with little processing. Typical speed 60,000 units / hour.
- Instant format change per program, all inspection, lighting and rejection parameters being configured automatically.
- Easy programming of new formats by the user. Configuration and control program in Windows.
- Unlimited number of settings.
- Unlimited number of inspection areas in an image.
- Images can be saved and recovered from hard disk.
- Inspection module: calculation of areas, location of transitions and lines, measurement of distances and detection of liquid level.
- Control of lighting intensity.
- Programmable alarms of consecutive defects and percentage of defects in the last inspections.
- Digital, analog and relay outputs for control of the rejection, stop, alarms, etc. Although it is based on a PC, the start and stop are carried out by buttons, without touching the keyboard.



ORIENTING

INSPECTING

REJECTING

ANY KIND OF EMPTY OR FULL BOTTLES AND CONTAINERS

EBIVISION

Empty bottle inspection system.



VELOCITY
72.000 BOTTLES/HOUR



GAP
1 · Ø

ADVANTAGE

SECURITY:

- Meets and exceeds all safety standards required in the industry.
- The electronic equipment complies with the low voltage regulations and has passed the electromagnetic compatibility tests and quality and life tests in adverse environments.
- All the elements have minimum IP65 degree of protection, except of the electronic equipment because of the fan.
- It incorporates a pressure switch to warn about the lack of compressed air.

MAINTENANCE:

- Does not require maintenance, does not need lubrication.

COMPLETE SYSTEM:

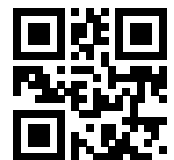
- Electronics, inspection and control programs.
- Inspection enclosure with the lighting system and cameras with IP65 degree of protection.
- Supports and linear guides with digital position indicator for a quick change of format.
- MULTISTEP configurable profile rejection system with height adjustment, for stable rejection of empty glass bottles. It allows moving the bottle to the rejection conveyor by gently guiding it and with no falls, thus reducing production losses.
- It is installed in a section of less than 800mm of conveyor (including stable rejection system).
- Communication by serial port with other computer systems to send inspection data.
- Modem connection to our company for remote diagnosis or new configurations.
- Stainless steel cabinet with IP65 degree of protection, for PC, control rack and electrical equipment.
- The monitor is installed on an adjustable platform and covered with a stainless steel protection.



Estudis Electro-Mecànics, S.L.
Pau Vila i Dinarés, 4-10
08192 Sant Quirze del Vallès, Barcelona, Spain
T. +34 93 720 85 40 F. +34 93 720 85 25
www.e2m.es



NUESTRAS REDES



¡ACTUALÍZATE!

E2m offers customized solutions to meet specific requirements of each customer.
Technical specifications updated on the website.