E2M COUTH®
VISION SYSTEMS

POWERED BY AI + DEEP LEARNING



Technical sheet

VISIO**CANEND**

360º closure inspector for cans.

Up to 42,000 cans per hour

Equipped with VisioInspect 2.0

Contactless inspection

360° total double closure inspection

VISIO**CANEND**

VisioCanEnd is an automated inspection solution that uses computer vision technology and advanced algorithms to identify defects in cans. These defects may include sealing defects, dents, bangs, scratches and other issues that could compromise the quality and integrity of the packaged product.

In a fast and easy way, this system sets the parameters and characteristics that define correct cans. These settings are used later on to detect defective cans.

VISIOCANEND is equipped with the VisioInspect 2.0, vision software, developed by E2M COUTH®, which can verify all defects, regardless of the production line's speed. The inspection platform allows users to configure formats effectively and easily.

Features

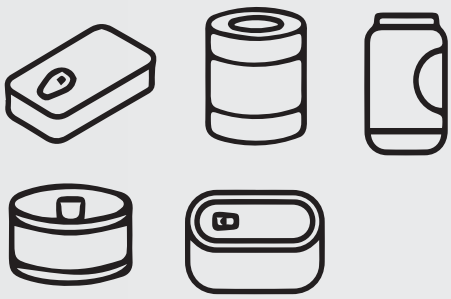
- Stainless steel enclosure.
- Container position control with sensor and encoder.
- Remote control and remote diagnosis.
- Parameters and tolerances allowed for each format.
- Production statistics in real time.
- Automatic height adjustment.
- Software able to manage rejection and external inspection signals.
- Image captures 100% of the can's perimeter.

Advantages

- Quality control for can and preserve containers.
- Compatible with all metal container formats.
- High-performance production, up to 42,000 UPH.
- Special light for managing different lithographs with the same recipe.
- Easy installation on pre-existing belt.
- Robust, compact, and resistant design.
- Fast and easy format and product changes.
- Does not require maintenance.

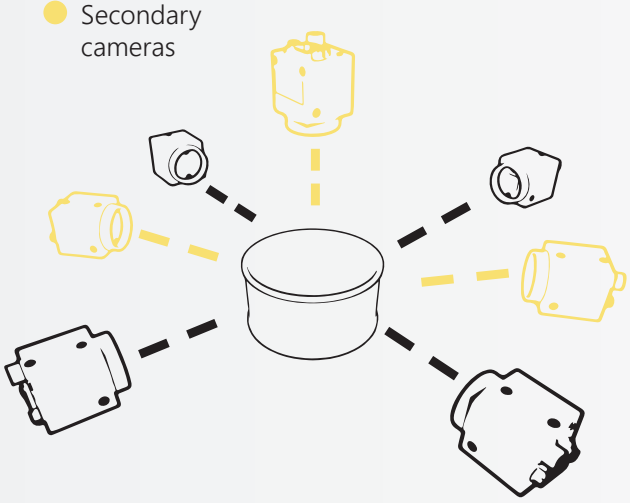
Containers supported

Circular and rectangular cans





- Standard cameras
- Secondary cameras



Typical inspections

Closure defects
- False sealing/Bent lip
- Breakage or dropping from the sealing line
- Second rolling
- Droop
- Vee



Body defects
- Breakage
- Blows



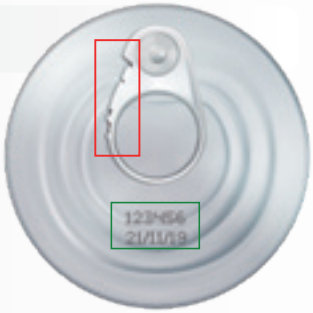
Additional options

Side cameras

VisioCanEnd 6C for rectangular containers longer than 120mm.

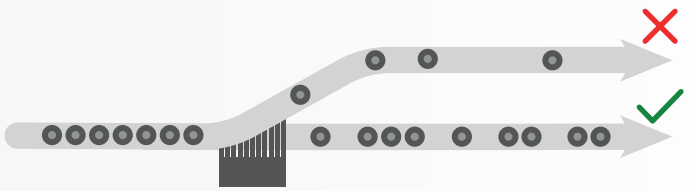
Upper camera

Lid defects
- Damaged/Missing ring
- Sealing defects
- Marking printing error
- Peel-off cover inspection

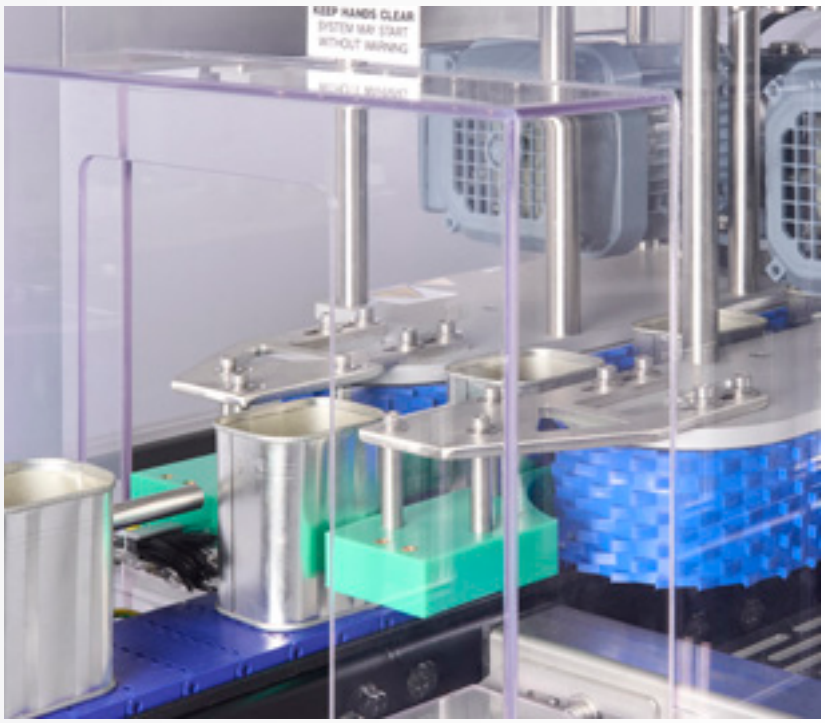


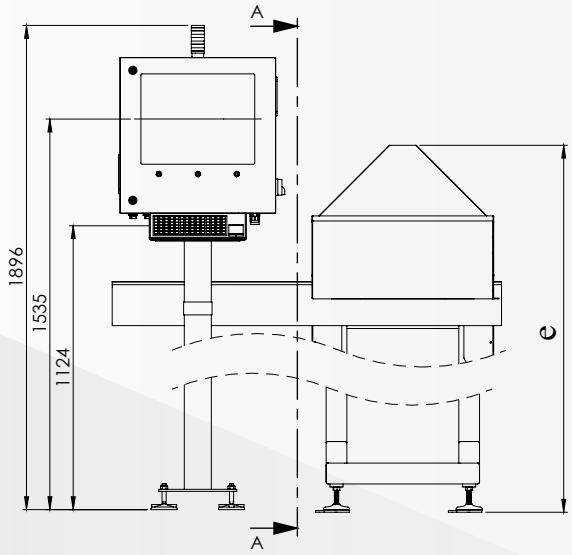
Rejection Systems

- Blow or push rejection devices
- 3m belt with AISI 304 finish and control with built-in variator in control cabinet

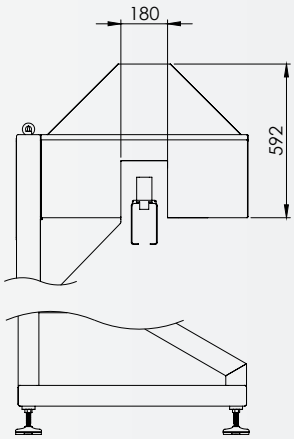


Side belt separator

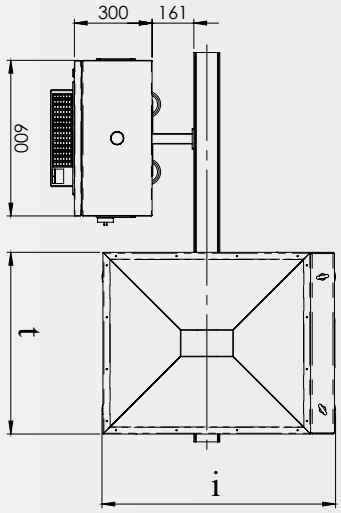




Front view



Side view



Upper view

VISIO**CANEND**

Description	VisioCanEnd 4C	VisioCanEnd 4C Plus	VisioCanEnd 6C	VisioCanEnd 6C Plus
Part number	A300900400	A300900401	A300900500	A300900501
Camera	High monochrome resolution			
Software	VisioInspect 2.0			
Lighting	LED perimeter lighting			
Extra lighting	–	Top diffuse lighting	–	Top diffuse lighting
IT system	Windows IO Intel Processor Interface			
Monitor	Monitor with 17" or 21" touch screen			
Communications	USB/ Ethernet TCP / Digital 4i/4o			
Maximum production	42,000bph			
Standard protection	IP65			
Construction material	Stainless steel 304			
Dimensions	W(700)*L(900)*H(1650)			
Encoder	HTL 2048 pulses per revolution			
Power supply	230VAC or 110 VAC 1 KVA			
Perimeter field of vision (mm)	4C: 131x115		6C: 164x139	
Upper field of vision (mm)	–	201x159	–	201x159
Mechanical restrictions	Max. belt width = 160 mm			
Vertical height regulation available	300mm			

E2M COUTH VISION SYSTEMS S.L.U
Pau Vilà i Dinarès, 10. 08192
Sant Quirze del Vallès.
Barcelona - Spain

+34 937 208 540
comercial@e2mcouth.com
www.e2mcouth.com