

# Athéor

# AOC label



Machine Vision reveals fast ROI when applied to process control :

- traceability, security, production quality and image control, process supervision
- risks elimination
- handling reduced to a minimum, preserved manpower,
- minimal scraps

AOC label as a real industrial automation is one unique approach for process control using cameras

- ➡ robuste
- ➡ simple
- ➡ compact
- ➡ rapide

## One Added Value to your Production

Applicable on a process line as a turnkey system, AOC reader is supervising 100 % of your production quality, continuously in real time and at high speed. Running without keyboard or mouse control, AOC reader is really adapted for rough and industrial environment, friendly usable and configurable, with no need for maintenance.

## Friendly usage

Menu is straightforward and intuitive using icons accessed through the touch screen. Easy to understand messages are guiding the operator for the simplest and fastest way to achieve the control.

## Customized Control

AOC label controls even on high speed processes. Included is an automatic learning system with dynamic multi configurable windows.

AOC label reads, stores, transmits data's, controls and finds errors, triggers actions - alarms ejection - stop.

## Applications

### Labels positioning control

- I identifications printing control
- Labels printing or re-printing controls

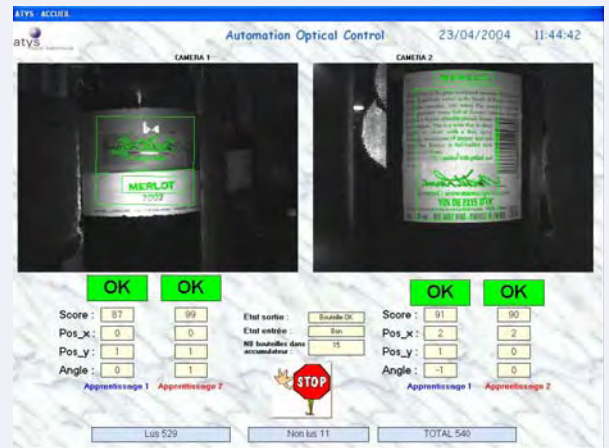
### Production Control

- Conformity control
- Presence control
- Positioning control
- Rotation control

## Reliability

Based on the latest proved technologies in shapes recognition, AOC reader will provide you with a constant high quality usage, with no particular survey and no maintenance.

Two autonomous boxes - central box and protected sensor module with integrated lighting - fulfil the guaranty for the protection and the security of the running system.



## TECHNICAL DATAS

### Control speed

- up to 30 000 C/ hour
- linear speed from 0 up to 10 m/s

### Connectivity

- serial link, Ethernet

### Triggering

- via sensor or signal

### Console

- industrial panel PC P4 with Windows XP®
- metal case 440(L) x 310(H) x 132(P)
- VESA 75/100 with fixing on rear side
- SXGA 17" touch screen colour display
- external I/O connection box via USB
- asynchronous cameras inputs
- weight 10kg

### Power

- 110-240VAC with ground
- frequency 50/60 Hz
- power line filter
- bipolar closer
- 150 W

### Camera

- CCD sensor with digital output (USB, GigE)
- resolution : 2560 x 1920 (5M pixels)
- electronic shuttering 1 µs ... 1 ms
- real time synchronization
- waterproof case

### Optics

- 8,5mm to 50mm lenses according to application

### Lighting

- integrated into the camera housing or used as standalone, with high power pulsed LED's synchronized on exposure

### Menus

- Easy access to users menu
  - dropdown
  - icon oriented
- 5 menus :
  - video set : exposure time, aperture windows for research, control, statistics
  - I/O selection and tests
  - tolerances inputs
  - learning process, formats savings
  - process
- hierarchical programming levels tied to password
- defects statistics with images savings
- parameters and production formats savings under individual file name
- timestamp
- RS232 or Ethernet interfaces
- supervisor dialogue
- correlation tolerance versus positioning and rotation
- up to two learning windows for each camera
- 50ms control time, and ability to use simultaneously two or more cameras synchronized by the same signal



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