

Real-time
artificial vision



Sentinel

IS machine surveillance system.

Configurable action in the absence of the operator. Detection and intervention on incidents. Minimum hardware. Does not detect people.

Features and Benefits

- ✓ **Autonomous surveillance** of the IS machine process, by means of artificial vision, with configurable action by the operator.
- ✓ **Real-time incident detection**, avoiding its aggravation.
- ✓ **Simple and robust** system with minimum hardware.
- ✓ **Increased performance.** The consequences of the incidents are decreased. Faster return to the production.
- ✓ **Databases. Historical analysis of incidents.** It allows to know, among other data, which sections are more problematic and their trends. Statistical data processing.

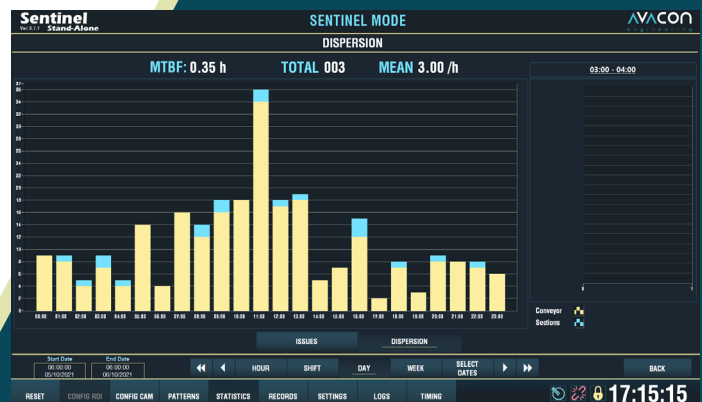
Safety for people

Reduces the probability of accidents at work.

Increases operator's safety, allowing to be away from the environment of the machine for longer.

The control can act on systems of the machine such as cooling, ejector, tunnel, or fire protection system.

Utility Model
N° U202132477



Now it is possible
More security = Higher performance

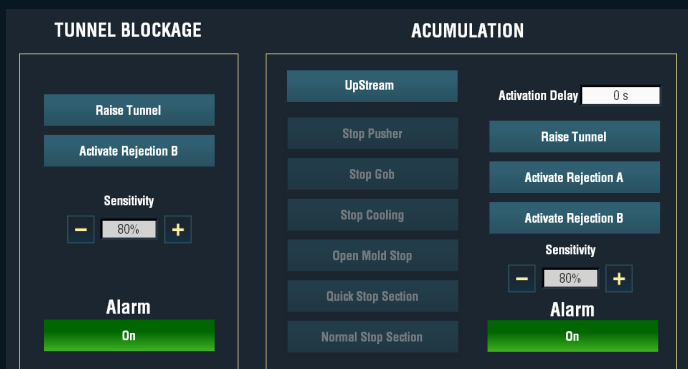
Sentinel

Operating mode

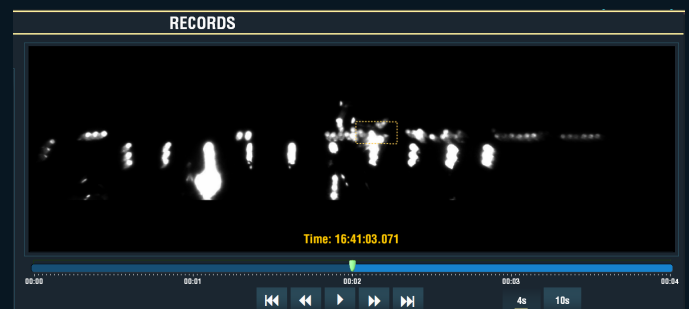
The system monitors the operation of the machine detecting incidents and it acts on it. Common failures such as blockages within the section, take-out and pusher failures, accumulation of containers on the conveyor and in the tunnel are detected by the system immediately. In case of any incident, the Sentinel either stops the section or delivery on the machine control.

The alert/alarm signals in case of any incidence, are visible and the action is configurable through an intuitive user interface.

Sentinels Database saves the historical reports of events, and allows to analyse situations and process failures.



Settings screen.



Database events records.

Possible actions

The actions on machine are easily configurable and adaptable at any type of event. Fast and safe action on the incident, avoiding its aggravation and getting a faster return to production.

- Section cooling stop.
- Ejection of containers in the conveyor.
- Lifting of the tunnel.
- Activation of the fire protection system.
- Activation of warning signals.
- Orderly section stop.
- Instantaneous section stop.
- Cancellation of the gob per section.

