



Pig carcass AI vision checker

Inspect the carcass surface for contamination by our 18-camera AI vision system. Detections are shown on a monitor for operator's attention.

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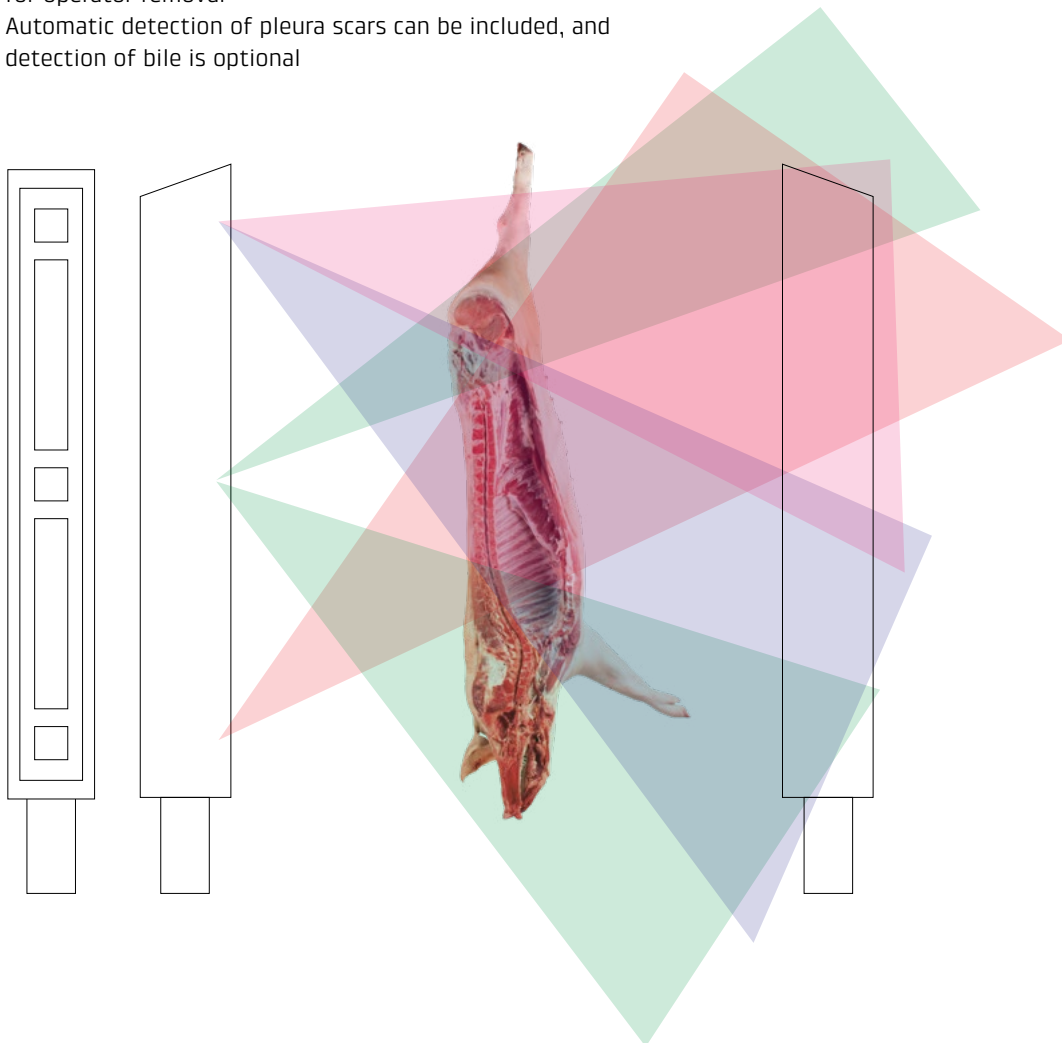
Pig carcass AI vision checker

Inspect the carcass surface for contamination by our 18-camera AI vision system. Detections are shown on a monitor for operator's attention.

The trained eye can now be supported to ensure spotting small contaminations on large carcass surfaces. The AI solution assists with efficient detailed screening, on the fly at the slaughter line, of a large and complex surface.

CONCERNED ABOUT CONTAMINATIONS?

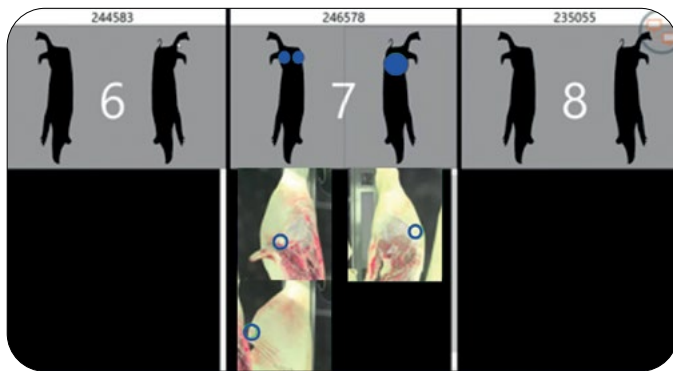
- Manual inspection is costly, tedious, slow and error-prone
- Contaminants like fecal and oil compromise food safety
- Meeting regulatory, market and quality standards is critical
- Contamination of carcass surfaces is impossible to fully avoid, and the contamination must be removed on the slaughter line.
- The AI solution detects and pinpoints the contamination for operator removal
- Automatic detection of pleura scars can be included, and detection of bile is optional



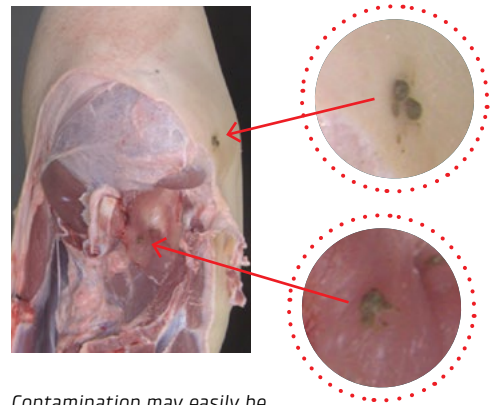
AI-POWERED DETECTION AT LINE SPEED

2*18 high resolution images of the carcass surface are captured in-line as the carcass halves pass 4 encircling towers mounted with cameras and lamps.

Our AI solution uses advanced machine vision and deep learning algorithms to detect contaminants (fecal, oil) on carcasses in real time. Camera monitoring and AI analysis allows fast identification and marking for corrective removal actions. The exact location is shown on a monitor with a halo for easy identification and removal by an operator at a workstation.



Operator monitor with pinpointed detection



Contamination may easily be missed on a large surface

PIG CARCASS AI VISION CHECKER DETAILS

- Detection of feces and oil contaminations to be removed
- Documentation and statistics of process errors for continuous improvement
- Consistent assessment of contaminations independent of operator
- High level of food safety and compliance
- Detect contaminations which otherwise may be missed until later in the process
- Automatic screening for pleura scars or bile



PIG CARCASS AI VISION CHECKER DETAILS

- Power/use: 230 V AC
- Industry wash down
- Footprint, m: 2.1L x 2.3W or 1.2 x 2.1, no screen
Or 2.4x 2.6 with screened area
- CE, EU 852/853/1935 (2004)
- Detectable contamination size: configured and optimized to customer preference typically to a few mm²
- Capacity: Solution configured to line speed

The solution may be installed either:

- end of line
- before or after meat inspection
- after carcass split, or
- in earlier process steps with fewer dedicated cameras eg. focusing on the pelvic cavity

The monitor showing contamination can be placed at the relevant workstations for removal and validation.



Food innovation for the future



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