OPTICS

Observation & Processing for Tracking, Identification & Classification Systems
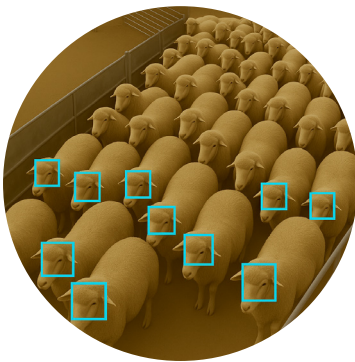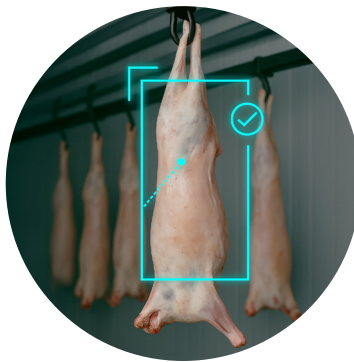
SORTED

AI Vision for Every Stage of Processing

For over 40 years, Triton has been at the forefront of processing technology. Now, we're redefining what's possible with **OPTICS** *– our master solution for AI driven machine vision.*

OPTICS connects real world processes to intelligent AI analysis, transforming how food processors monitor, validate, and optimise their operations. **As a scalable platform, OPTICS isn't one product — it's a capability that can be applied across Triton's ecosystem:**
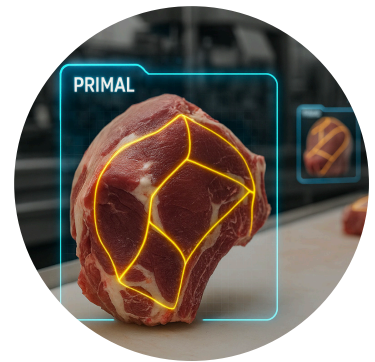
OPTICS | Livestock & Yards
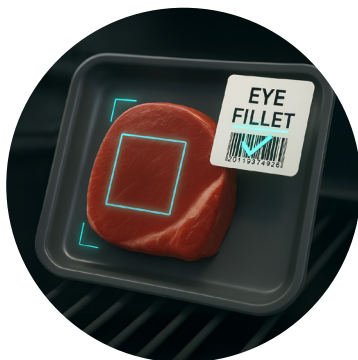Livestock counting and animal welfare checks

OPTICS | Grading
AI Assisted grading for compliance and consistency

PRIMAL

OPTICS | Boning Room
Smart cut and primal identification

EYE FILLET

OPTICS | Product Identification & Verification
Confirms product identity and label compliance in seconds

25

OPTICS | Dispatch
Automated carton counting and verification

If it needs to be seen, verified, or tracked — OPTICS can do it.

Why OPTICS?

AI Powered Insight
Advanced machine vision for realtime tracking, identification and decision making.

Labour Optimisation
Reduce reliance on manual inspections and repetitive tasks.

Seamless Integration
Works as a standalone system or integrates into Triton's FUSION platform.

Boundless Potential
From cartons to carcases, OPTICS solves promblems only limited by your imagination.

TRITON
Est. 1984
40 YEARS

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Imagine the Possibilities

✔ **Primal & Cut Identification**
For labelling and product verification.

✔ **Completely Automated Boning Rooms**
Every action optimising and validated.

✔ **Error Free Exporting**
Key label identification and validation for peace of mind.

✔ **Effortless Counting**
Livestock, cartons, packs and carcases tracked automatically.

✔ **Instant Object Identification**
For traceability, tracking, and automation decisions.

With OPTICS, any visual challenge can become an automated solution.

Solving Real World Problems

Primary Processing
- Livestock counting & animal welfare checks
- Halal compliance & carcase grading
- Carcase tracking, retention & contamination detection

Secondary Processing
- Chiller sortation & boning room entry automation
- Automated pack/carton labelling & product ID
- Carton destination routing & vision inspection

Inventory & Sales
- Label placement & port mark verification
- Container seal checks & carton counting
- Export documentation & product specification verification

Safety & QA
- PPE monitoring & knife placement detection
- Spill & slip detection & no go zone intrusion
- Foreign object detection & carcase temperature checks
- Handwashing compliance tracking