



CRATE INSPECTOR INDUSTRY COMPARISON

 **FirstStep.ai**

PRODUCT BROCHURE
v2025.01

Industry Comparison

	 FirstStep.ai FCI / ECI	 KRONES Checkmat
Crate Throughput	✓✓ 7,200 crates/h	✓ 5,000 crates/h
Cameras	✓ HD Camera	✓ HD Camera
Accuracy (Bottle Count: Full)	✓ 99.999%	✗ 99.7%
Accuracy (Bottle Count: Empty)	✓ 99.986%	✗ 99.7%
Accuracy (False Rejection Rate)	✓ 0.0%	✗ 0.3%
Shift Handover / Logbook integration	✓ Yes	✗ No
Conveyor Downtime Report	✓ Yes	✗ No
Without In-line sensors on conveyor	✓ Sensor-free	✗ Requires Sensors
Image archive of each crate	✓ Yes	✗ No
Can crates touch?	✓ Yes	✗ No
Deep learning AI models	✓ Yes	✗ No
Full, empty, broken, foreign objects	✓ Yes	✓ Yes
Closed-loop Crate Rejection	✓ Yes	✓ Yes
Lighting	✓ Long-life LEDs	✓ Long-life LEDs
Count number of crates	✓ Yes	✓ Yes
Count bottles in each crates	✓ Yes	✓ Yes
Identification based on colour	✓ Yes	✓ Yes
Identification based on logo	✓ Yes	✓ Yes
Identification based on barcode	✓ Yes	✓ Yes
Auto-handles brand changes	✓ Yes	✓ Yes

