



COGNEX

A COMPANY WITH

VISION

Mehr sehen, mehr verstehen -

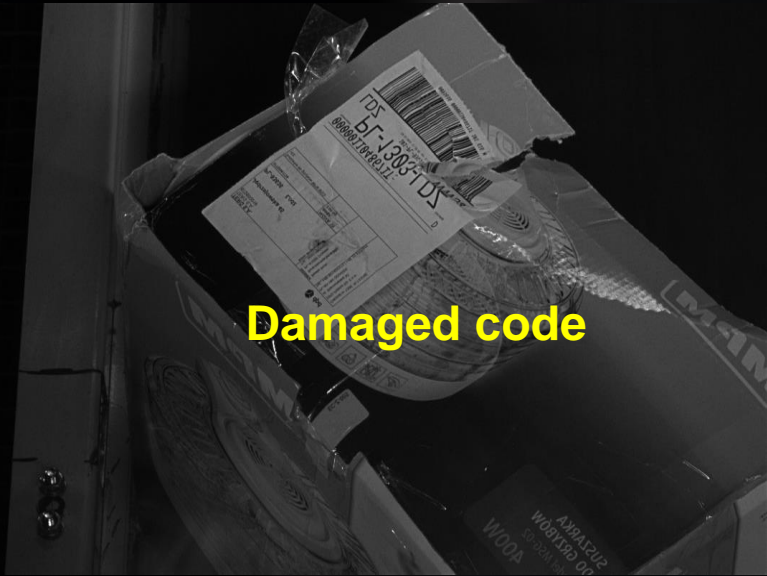
**Mehr Durchsatz und effizientere Prozesse mit Hilfe industrieller
Bildverarbeitung**

Image-based barcode reading with Cognex

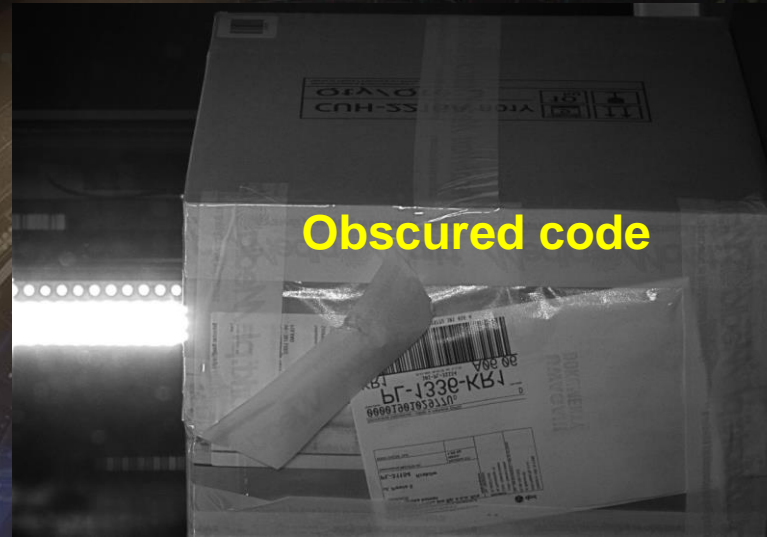
99%+
READ-RATE

NO MOVING PARTS
MTBF > 200.000 hrs

**IMAGE
FEEDBACK**



Damaged code



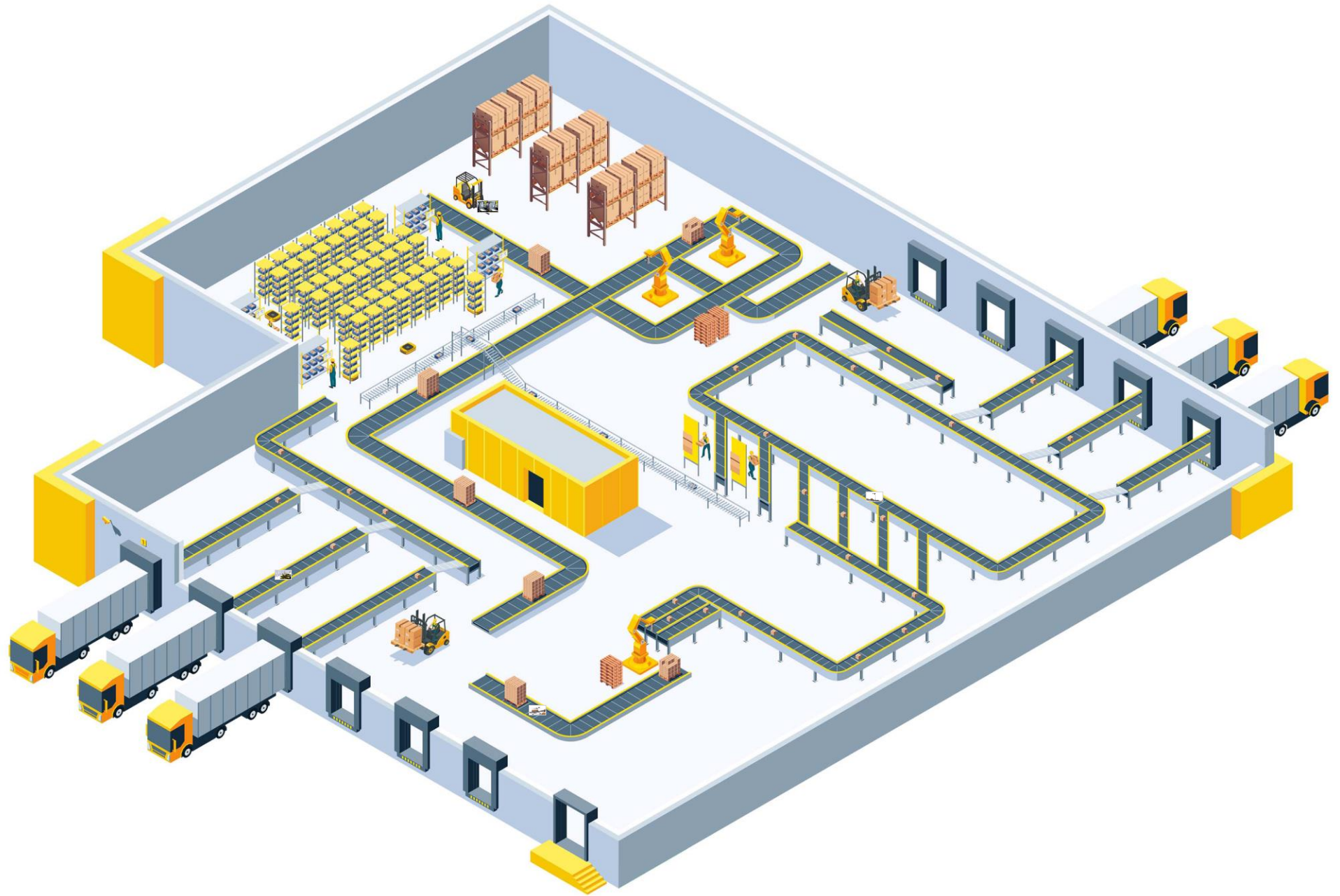
Obscured code



Low contrast



Wrapped code





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- Reads multiple symbologies
- Reads under foil
- Reads up to 2m height with only 600mm Working distance
- Reads in motion up to 1.5m/s – 5,4km/h

No need for an encoder so can be deployed on a conveyor, forklift, AGV...









What are your biggest challenges for zone routing?



- Tight installation space?
- Worn out codes – read rate drops?
- No read image feedback not available with laser?
- Monitoring the consistent code quality on totes/parcels?
- Extrem angles?



Zone routing Solution

- Compact sizing to fit into your applications
- Power of algorithm
- Easy installation
- Image feedback and Code quality metric for predictive maintenance

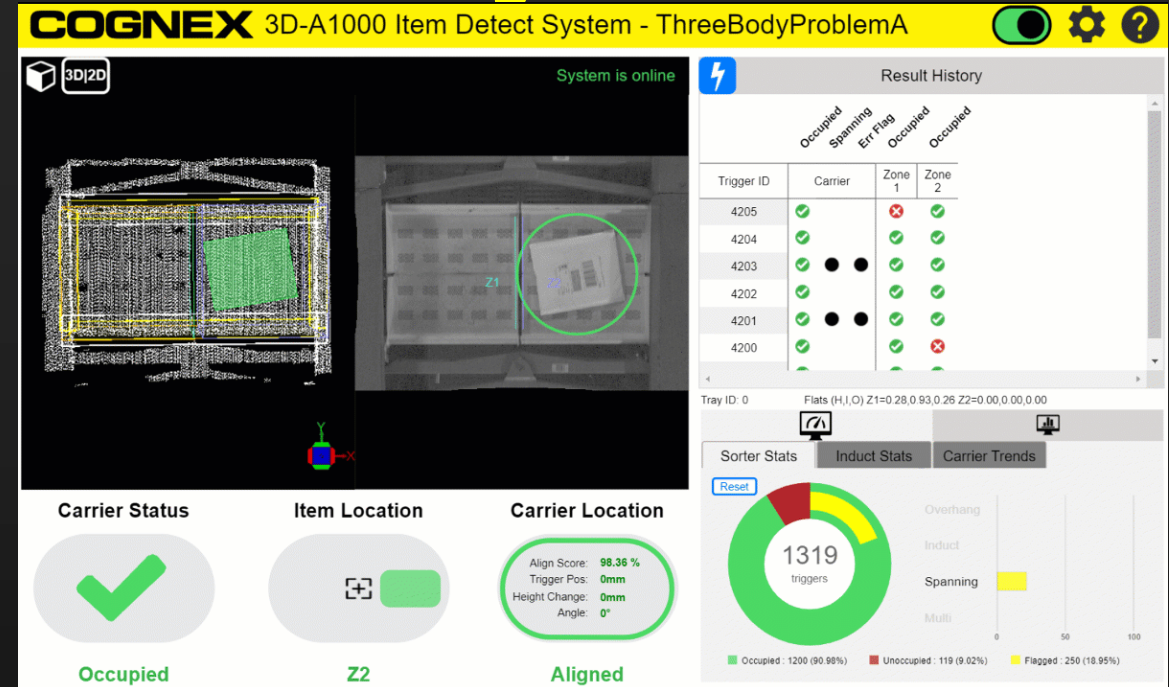


Item Detection on Crossbelt/Conveyer

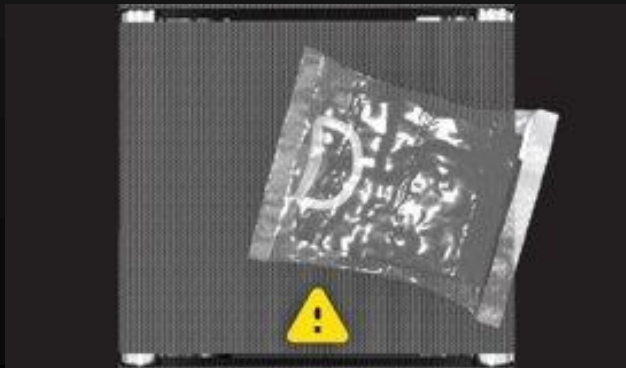
Installation < 15 Minutes

Image Feedback

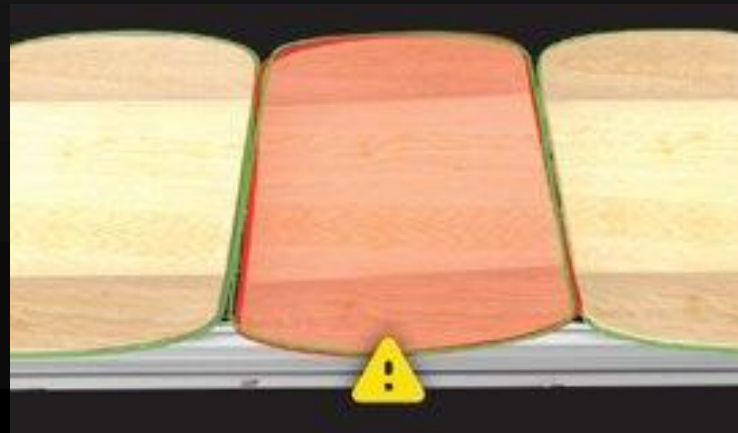
Automated Verification



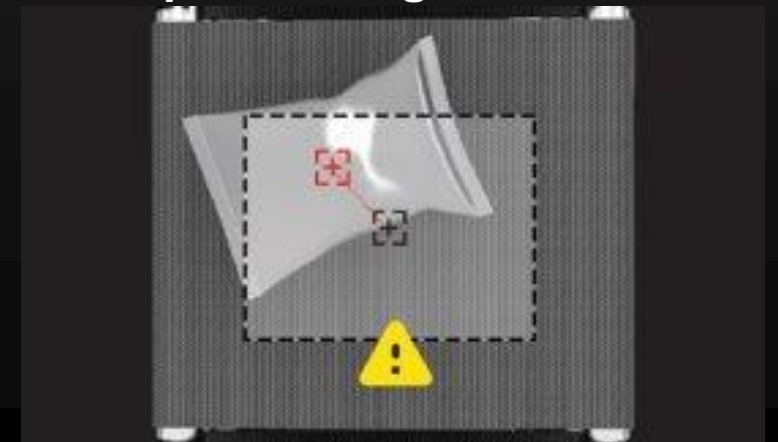
Detect Overhang



Monitor system health



Optimize Alignment



Item Detect/Classify

How can we identify different type of items on a conveyor?

- Deep Learning is able to cover the unlimited variety by categorization

Bag



Carton



Carton in Bubble Wrap



Poly



Application Examples – Item Detect

Even works on Pouch or Bag Sorters with confusing backgrounds

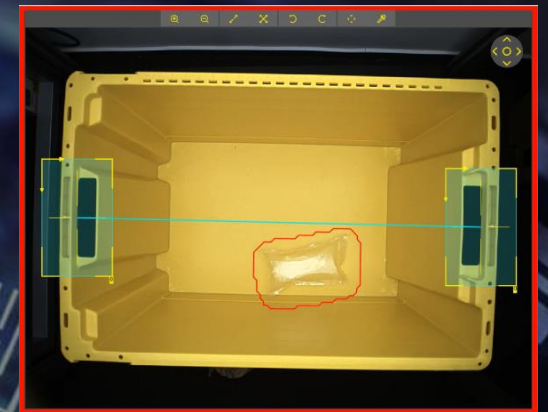
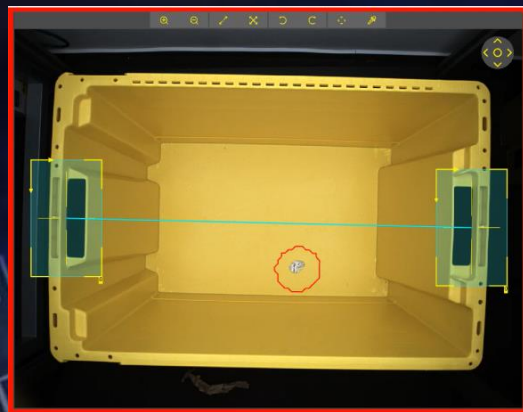
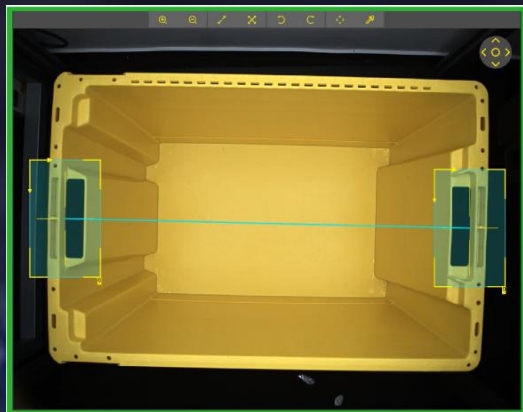
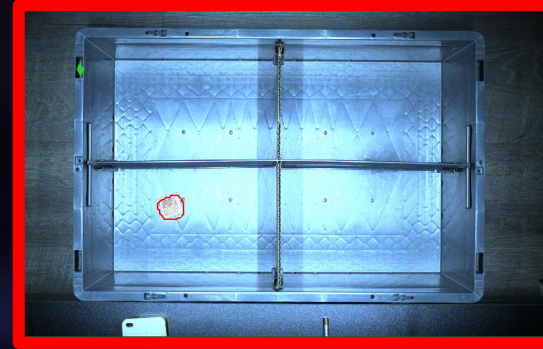
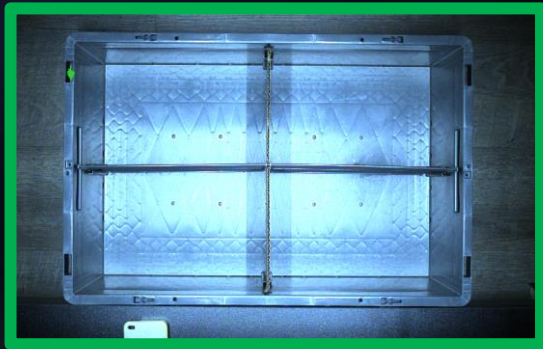
- Occupied or Unoccupied



Item Detect – Empty Tote

Detection of Items and Leftovers of totes

Inspection of breaks and damages





Handheld Barcode Scanner



Cognex Fixed Mount Barcode Reader

Order Fulfillment

Does your workstation look like this?

Lets fix this!



