



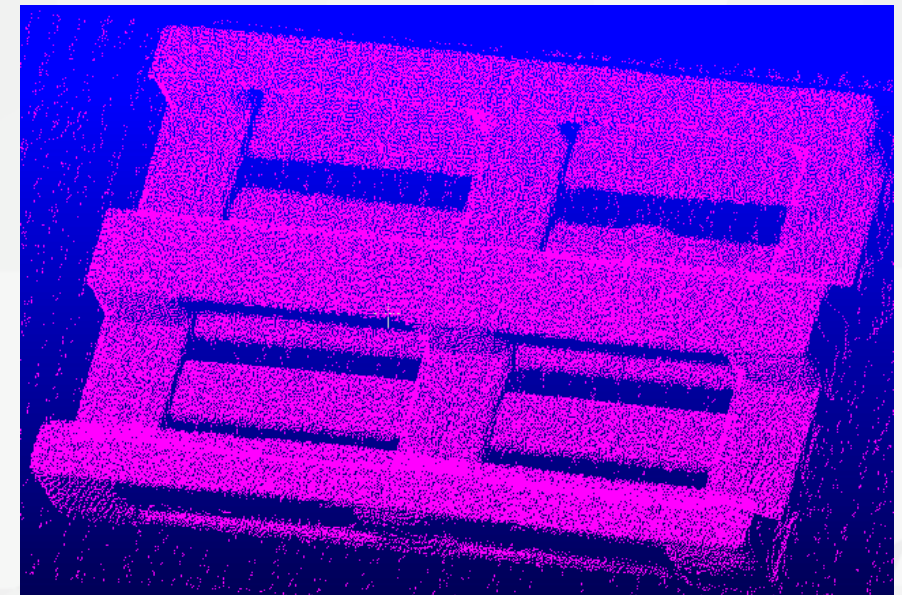
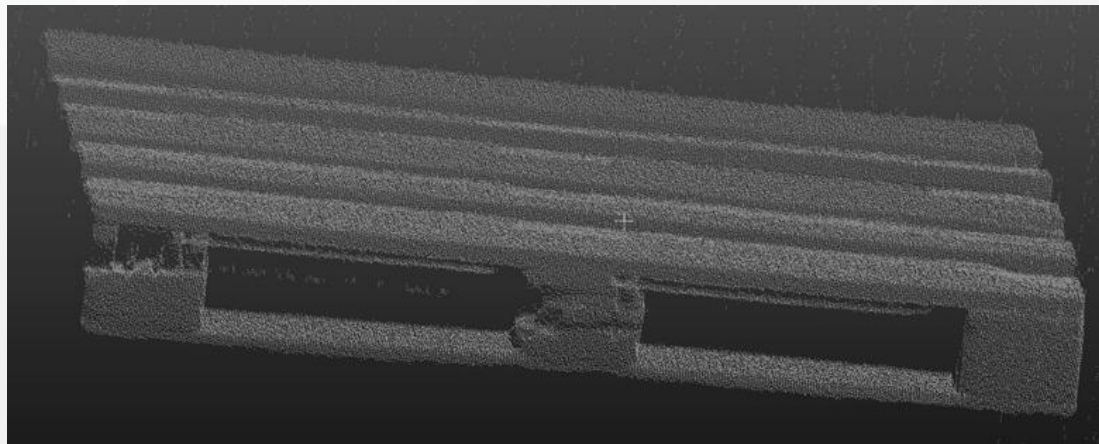
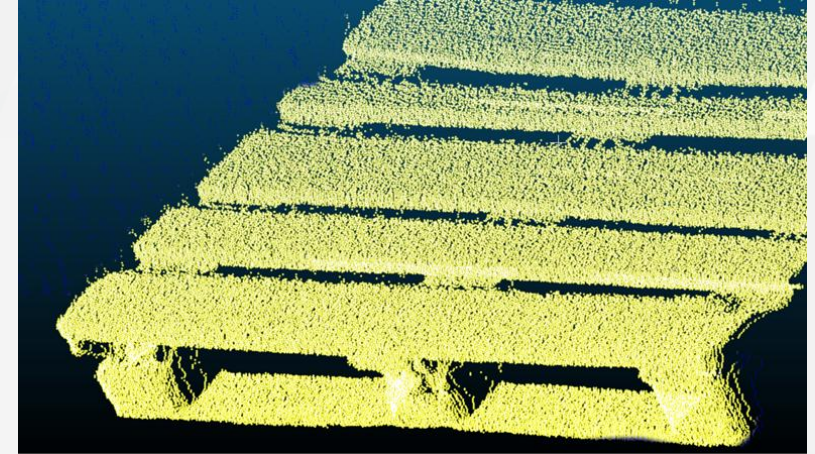
# PALETTEN SYMPOSIUM.

## **Automatic pallet inspection**

Efficient exchange thru objective evaluation  
Safely identify and sort Class C pallets

**Now let's take the first steps together!**

- Recording and evaluation of a valid point cloud using tactile laser scanners (Lidar scanners)
- Passive tactile inspection of the runner clearances and the continuity of the footboards in the passage as an option
- Active tactile examination thru lifting, controlled spreading, or loading
- Valid, distortion-free, and metric representation of the pallet as a point cloud
- Detection of inhomogeneities
- Control of target dimensions such as block dimensions, board widths in the metric representation
- Detection of incomplete or twisted components





## Recording and AI-driven evaluation of 2D images (bright field photos)

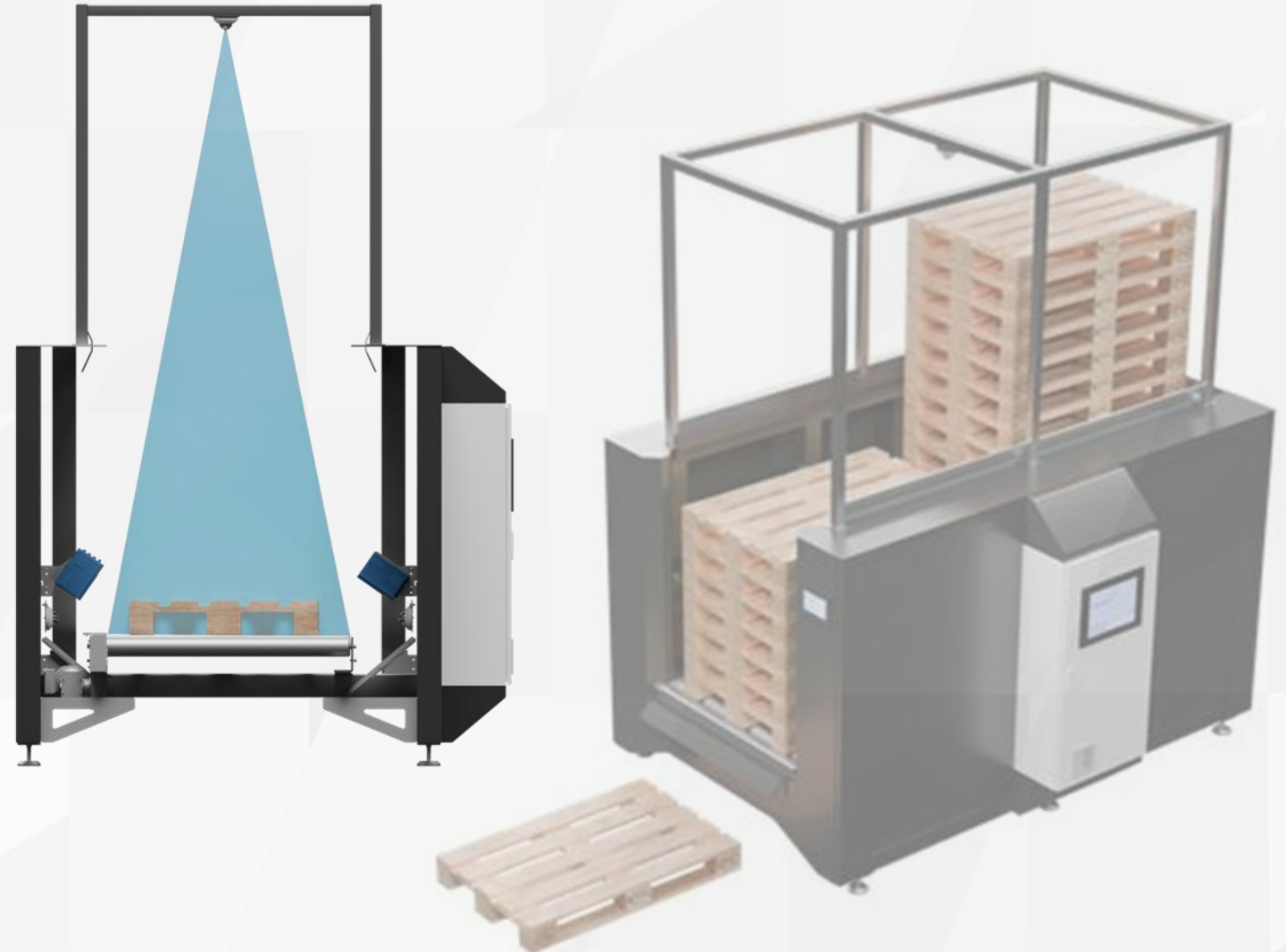
- Recognition of the EPAL or other logos
- QR tag for capturing the digital twin
- Detection of block defects | fractures | missing components
- Detection of attachments
- Integrable into existing systems
- Establishment of process capability according to the Machinery Directive
- Expandable detection space



# Inspection of Empty Pallet Stacks

## Stand-Alone system approach

- Feeding with a complete stack of empty pallets
- Re-stacking of pallets for use and sorting
- Hybrid Inspection (Lidar and Photo)
- Tactile options integrable
- Mobile system





## Automatic pallet inspection

Let's take the next steps **together**  
to **sustainably increase**  
**efficiency** in pallet logistics!