AI smart

FIELD system

Fieldview

CONNECT   MONITOR   THINK   DRIVE

DESCRIPTION

Fieldview is an object detection and tracking application for FIELD system that can be tailored to several goals. Based on the latest research in A.I. and on our automated data acquisition and training Fieldview lets you reap the benefit of computer vision without the need for AI experts.

KEY BENEFITS

- Minimise wastes with accurate defects detection
- Improve product quality and customer satisfaction
- Reduce tag scanning time letting Fieldview tracking the components
- Improve picking applications thanks to fully automated sorting
- Quick start-up of new products in small batches

- Reduction in manual cost and time to market
- Increased automation capacity
- Expansion of additive manufacturing capacity
- Minimisation of robots downtime

KEY FEATURES

- **System easiness**
  No need of programming skills as with AISmart›s Fieldview system industrial robots recognise and handle new objects without reprogramming with a 24h gap between 3D design and first sample to running production
- **Inspection and QA**
  Using Fieldview you can process components or products in a production or assembly line for automated visual inspection (up to 30 detections per second). Fieldview will recognise defects and incorrectly assembled products.
- **Assembly line components recognition**
  Instead of scanning a tag for each component used in an assembly line you can let Fieldview track the component used by your production line workers so that you can now check not only if the right components have been picked up but also if they have been assembled properly.

- **Product recognition and sorting**
  When you have mixed lines or other situations where you need to separate different components or products, Fieldview can recognise them and provide position and coordinates of each one to your robots for a fully automated sorting.
- **Inventory management**
  Every time you pick a component from a shelf or a container Fieldview keep track of the total count and can be integrated in your logistic system to monitor inventory levels across your assembly line.
- **Custom**
  You have an idea which requires computer vision? We can help you make it reality by tailoring Fieldview to your needs.

FIELD system Partners

FANUC

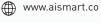## AISmart

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APP PREVIEW

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