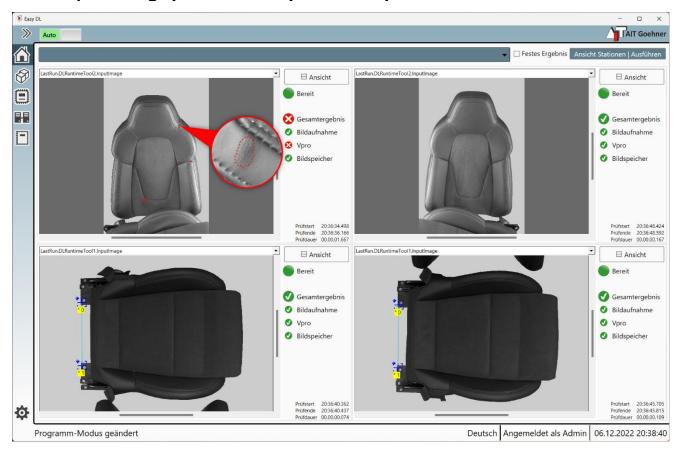**AIT Goehner**

Quality inspection of seat covers with Deep Learning

In the production of high-quality seats, the smallest scratches, wrinkles, stains, etc. in the seat covers cannot be avoided despite the highest level of automation and quality controls.

With our Deep Learning solution **AIT Seat Cover Inspection with AIT EasyDL**, we guarantee reliable detection of these defects even with the most diverse materials.

The Deep Learning System is already successfully in use.

Alle features and advantages

- Easy to set up and handle
- Automatic and reliable detection of folds, scratches, stains and creases
- Use with different materials
- Successfully implemented system (reference available)
- System based on neural network inspection (Cognex ViDi)
- Central computer can control several cameras simultaneously
- Article management e.g. for type selection
- Communication to assembly line (e.g. Profinet) and production system (e.g. SQL)
- Image storage
- Optical display of the error on the seat
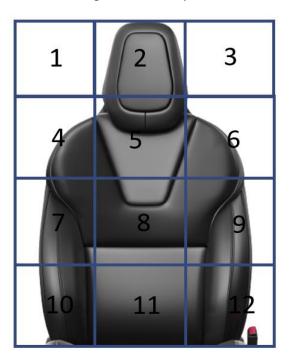
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Further options

With the integration of an interface, it is possible, for example, to integrate a robot that irons the seats or similar in order to remove the detected wrinkles. Each camera can provide the robot with the information in which area (here example 1-12) the automatic ironing should take place.

AIT Seat Cover Inspection with AIT EasyDL is applicable in many industries

- automobile
- aircraft
- sports boats
- box seets e.g. in stadiums
- etc.

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