



## The Expectation

The quality demands on the industry by the end customers are high. These demands are passed on to suppliers like you. AIT Goehner finds solutions for a better and controlled flow of your tasks so that the efficiency of your plant is optimised and the support staff has more time for other tasks. Of course, the people are always in the foreground.

## The Experience

AIT Goehner is a family business with about 50 employees working internationally. For over 30 years, we have been providing solutions for optical inspection, industrial image processing and identification. Whether simple code reading or demanding tasks with artificial intelligence - We are your contact for small and large projects.

## The Expertise - everything from a single source

- ✓ Hardware and software
- ✓ Planning and projecting
- ✓ Technical questions on existing projects
- ✓ Use of artificial intelligence for quality control
- ✓ Documentation of the tasks

## The Success

AIT Goehner has already successfully developed and implemented applications for sheltered workshops, which act as suppliers for industry:

### Application 1 - Check Completeness

**Task:**

The workshop employees manually fill repair kit bags for an automobile manufacturer. The support staff should be relieved of the task of checking the completeness of the bags.

**Solution:**

A camera system based on Deep Learning (Artificial Intelligence) by AIT checks the completeness of the bags.

The system checks the completeness of assembled parts. In addition, a condition check is possible and an OCR function (optical character recognition) is integrated. The software is connected via a database for quality assurance.

**Advantages:**

- 100% quality assurance through Deep Learning testing
- Documentable results
- Team leaders can spend time on other tasks thanks to automation

### Application 2 - Detect Parts

**Task:**

Cut out foam parts for an automotive supplier are delivered and reworked by the workshop staff. The final inspection is then carried out by the team leaders. The aim here is to relieve the support staff when checking the finished workpieces.

**Solution:**

An employee places an unchecked foam part on a light table and presses either a hand or foot switch. The AIT camera system checks whether all cut-outs have really been removed correctly and whether the reworking fulfils the quality requirements. If the workpiece is correct, a green light signal appears and a second employee removes the foam part. If the workpiece is incorrect, a red light signal flashes. Then the foam part is reworked by the employee and checked again.

**Advantages:**

- 100% quality assurance through automated camera system
- Independent, autonomous work of the workshop employees
- Team leaders can spend time on other tasks thanks to automation