

# OPTICAL TESTS USING ARTIFICIAL INTELLIGENCE

## The highest test performance and lowest follow-up costs thanks to self-learning test systems



### Does this sound familiar?

You have invested in a new optical testing facility. Over time, more and more new test characteristics or component types are added. Since all of these require new programming, you then need to employ image processing specialists and additional specialist personnel. The resulting follow-up costs are immense! Another unnecessary cost driver is that the false rejection rate for complex tests and components is often higher than expected.

### Our self-learning optical test system shields you from this: You will need neither expensive image processing specialists nor additional specialist personnel to extend your range of component types.

Existing production staff can teach the system new test characteristics and component types simply and intuitively, without any prior knowledge. Minimal false rejection rates are guaranteed!

### AUTOMATIC DEFECT RECOGNITION USING ARTIFICIAL INTELLIGENCE:



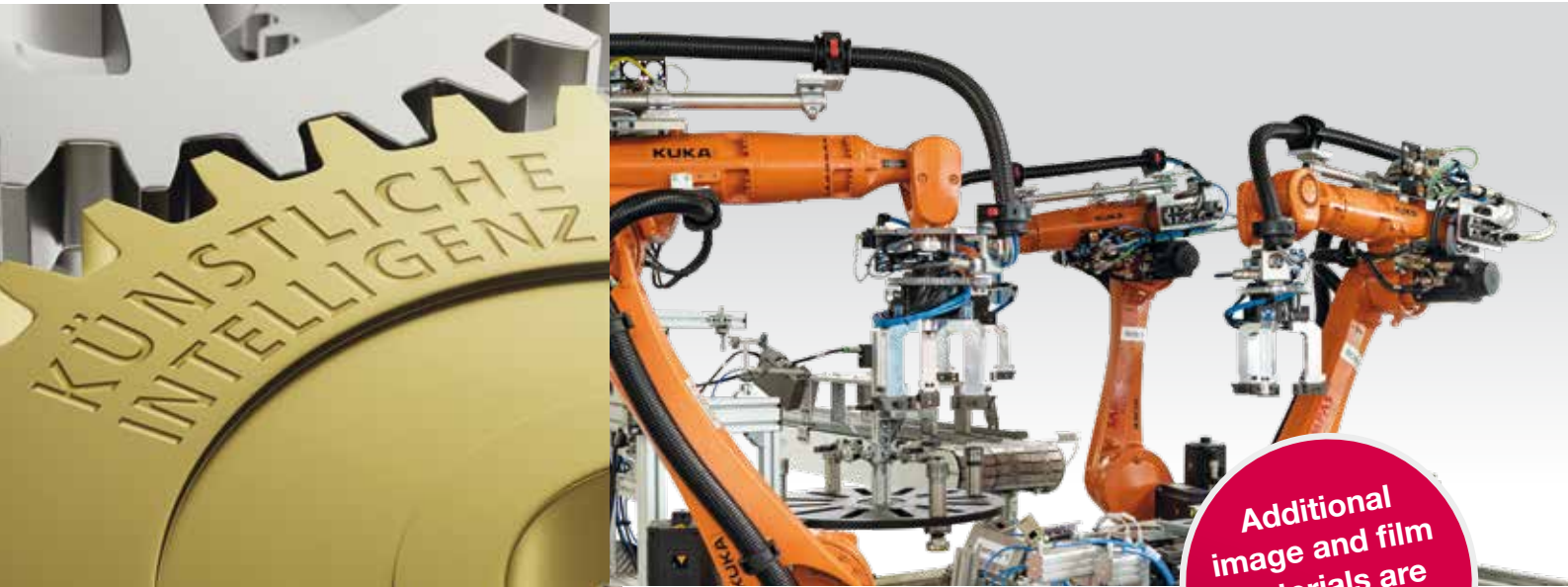
## Applications:

- › **All defects visible to the human eye:**  
Defects, dents, grooves, or scratches on various (including structured) surfaces
- › **Statistical evaluation of the test results**  
for every test characteristic over freely selectable periods
- › **Storage and analysis**  
of defect images

# OPTICAL TESTS USING ARTIFICIAL INTELLIGENCE

**innovision**  
INDUSTRIAL IMAGE PROCESSING

DEPENDING ON YOUR NEEDS, WE WILL SUPPLY YOU WITH **ONLY THE TEST SYSTEM**  
OR **THE COMPLETE TESTING FACILITY** FROM A SINGLE SOURCE.



Additional  
image and film  
materials are  
available upon  
request!

## EVERYTHING FROM A SINGLE SOURCE

Thanks to our integration into the **PÜTZ GROUP** and the resulting **synergy effects**, we are able to offer you more than just industrial image processing.

- **Image processing systems**
- **Complete test cells with NIO ejection**
- **Mechanical engineering adjustments**
- **Robot integration**

### **Innovision GmbH**

#### **Saarburg, Headquarters**

Am Saarufer 8  
54439 Saarburg  
GERMANY  
Phone: +49 6581 9299-0  
Fax: +49 6581 9299-29  
info@innovisionsystems.de  
www.innovisionsystems.de

### **Technology Centre Limburg**

Lindenstraße 3  
65555 Limburg-Offheim  
GERMANY  
Phone: +49 6431 285650-0  
Fax: +49 6431 285650-29

**INNOVISION offers everything  
from a single source ...**

... from camera integration  
to test cells to complete  
automation solutions.

**We look forward  
to your inquiry!**