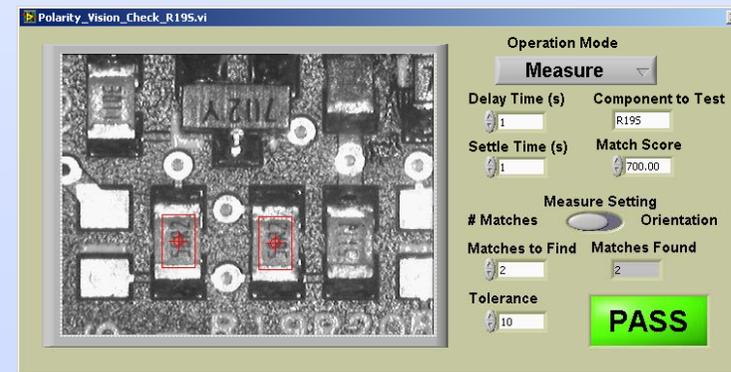


ActiveVision

Zusatzmodul zu ActiveTest

- Nutzt National Instruments „NI Vision“ Bildverarbeitungspaket
- Integration der Vision-Tests in NI TestStand
- Bauteil-Präsenzerkennung
- Bildmustererkennung
- Verpolungserkennung
- Texterkennung



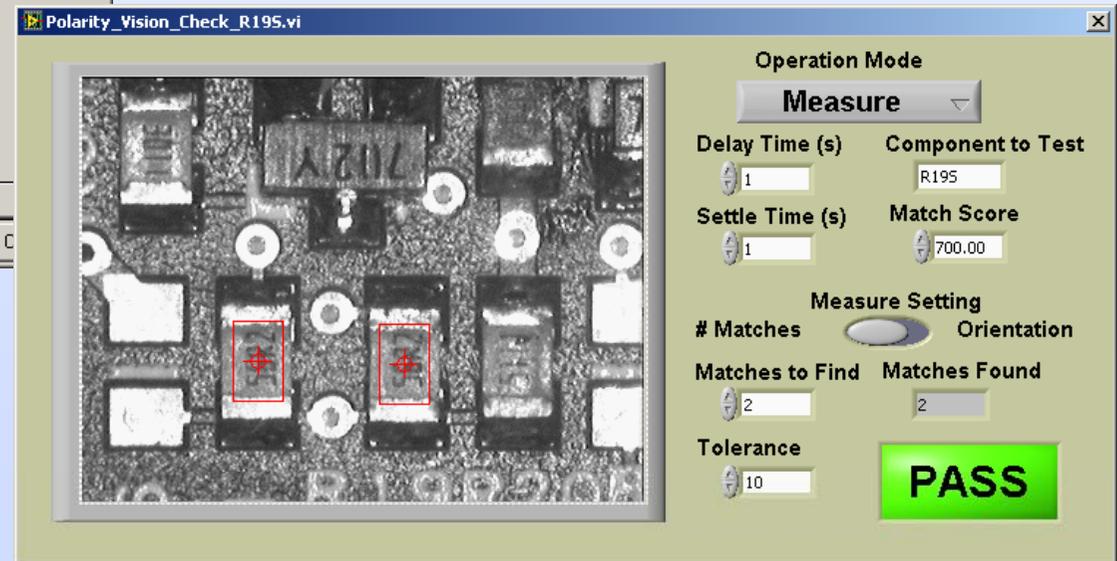
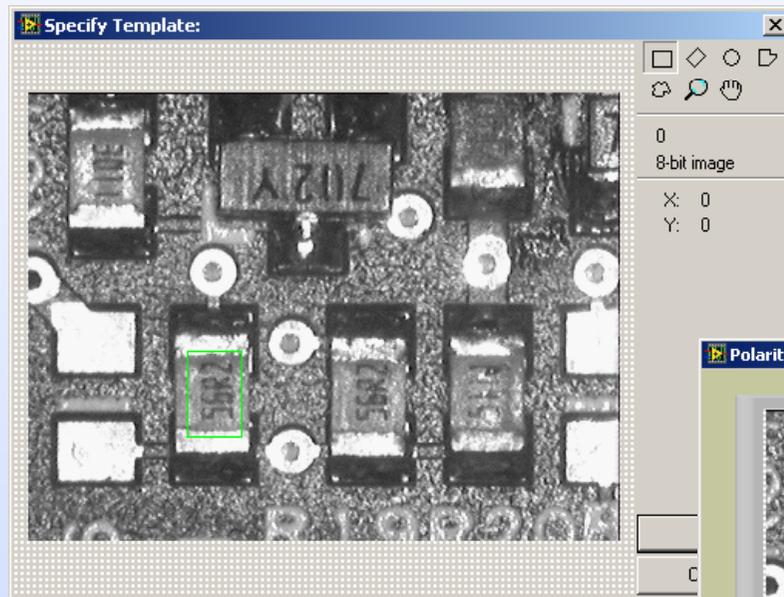
Active Vision Bauteil-Präsenzerkennung

The screenshot shows a software window titled "Presence_Vision_Check_R19.vi". On the left, a grayscale image of a PCB component is displayed with a red rectangular bounding box around a specific component. On the right, a control panel is visible with the following settings:

Operation Mode	
Measure	
Delay Time (s)	Component to Test
1	R19
Standard Variation 1	Difference
34.8314	4.8823
Standard Variation 2	Pass/Fail Level
39.7137	10
Settle Time (s)	Toleranz (%)
1	40

A large red button labeled "FAIL" is positioned at the bottom right of the interface.

Active Vision Mustererkennung



Active Vision Texterkennung

The image displays three overlapping software windows used for OCR training on a metal part image. The top-left window, titled "Specify ROI #1 (Press 'Cancel' when done):", shows a grayscale image of a metal part with the text "24.576" and "FE" visible. A green rectangular region of interest (ROI) is drawn around the "FE" characters. The top-right window, titled "NI OCR Training Interface - characters.abc", shows the same image with a red box around "FE" and a blue box around "24.576". This window includes a "Train/Read" section with instructions, a "Text Read" section showing "FE" and a "Read Time" of 4 ms, and a "Training" section with options for "Train All Characters", "Train Incorrect Characters", and "Train Single Character". The bottom window, titled "Text_Vision_Check_T2.vi", shows the same image with a green box around "FE". To the right of this window are control panels for "Operati Mea" (Delay Time (s) set to 2, Settle Time (s) set to 1, Read String set to "FE", Target String set to "FE") and "Component to Test" (Image Rotation set to 0°, Target String set to "FE"). A "NATIONAL INSTRUMENTS PASS" logo and "LabVIEW Evaluation Software" text are visible at the bottom of the interface.

