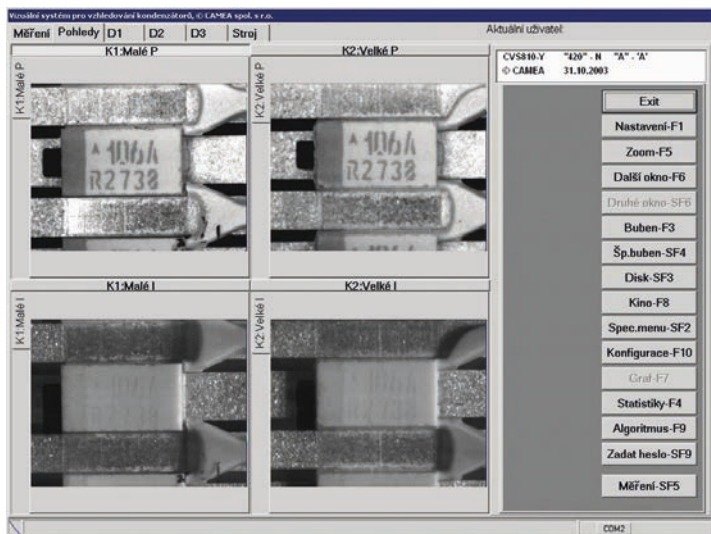


Component Inspection

UniscanCVS

The UniscanCVS series visual systems are designed for visual product quality control during manufacturing of a broad range of components. The components can be scanned a set of cameras from different views as required. The system is adaptable in terms of verifying incomplete polarity markings, cracks and chippings etc. Special illumination is used to highlight 3D defects, simultaneously suppress characters and enhance production defects, e.g. microscopic holes, contamination. The system can accurately detect defects from sizes of microns at a rate of dozens of components per second. Further quality control consists of comparing contact's shapes and rejecting defective components.



User interface for quality inspection of 3D defects

Suitable For

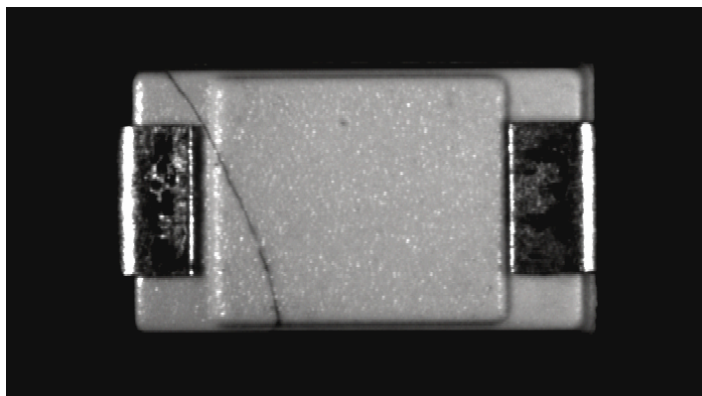
- » SMD components
- » different component shapes
- » item orientation and positioning
- » colors and structure
- » welding quality
- » contacts etc.

Features

- » sensitivity configuration for each inspection
- » configuration of detected defects parameters
- » possible defect set extension
- » statistics export
- » automatic system diagnostics
- » user and user rights management
- » remote service and management

Detected Defects

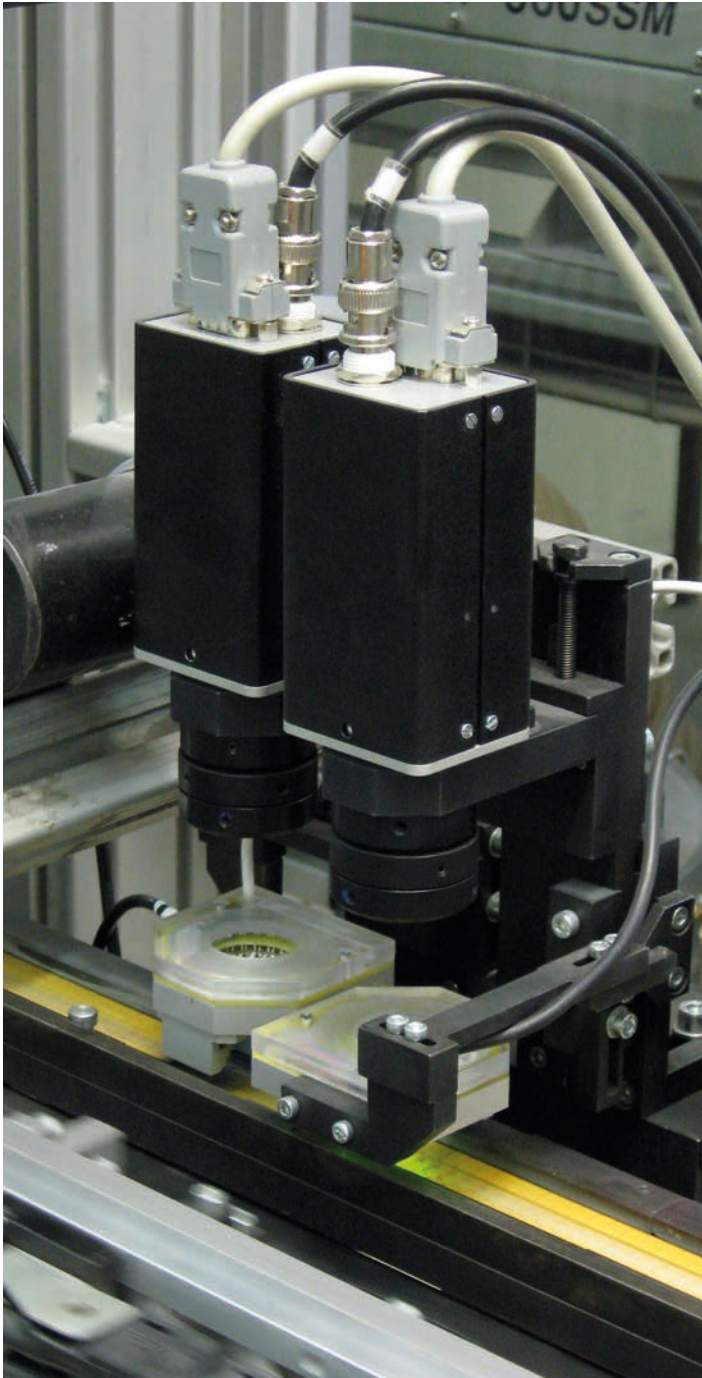
- » cracks
- » fragments
- » 3D surface defects
- » contamination (dirt, ash)
- » gauging component sizes



Detected crack on a component casing

Installations

AVX Czech Republic, s. r. o.



Visual surface defects inspection on a production line



CVS visual systems benefit from using custom designed optics



System illumination units

The UniscanCVS series visual systems are used during production as well as quality control of one of the world's biggest tantalum and niobium capacitor manufacturer. Millions of components on three continents are inspected daily.