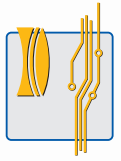



360° AOI!

Chameleon for OptiCon

Automated Inspection
(AOI/AXI)



 **GOPEL**
electronic
Get the total Coverage!

Quality increase for all batch sizes

The angled-view module **Chameleon** is available in addition to the main camera for the following AOI systems:

- OptiCon BasicLine
- OptiCon AdvancedLine
- OptiCon TurboLine



OptiCon BasicLine



OptiCon AdvancedLine



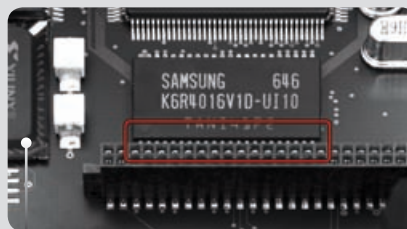
OptiCon TurboLine



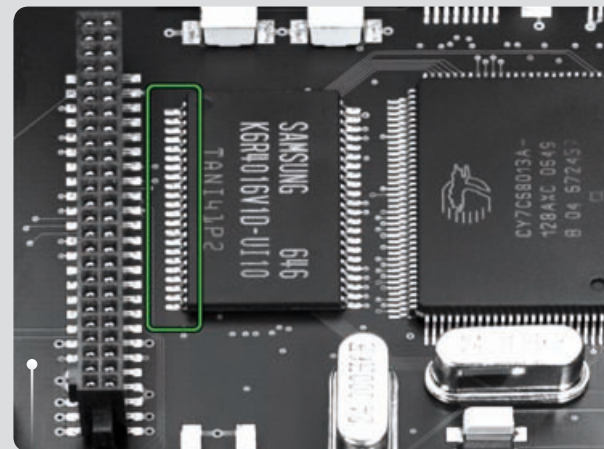
Maximum fault detection independent from the PCB layout and assembly situation due to powerful 360° angled-view inspection



Typical SMD component

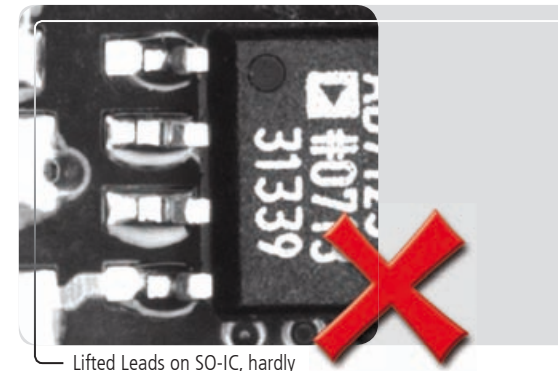


Visible obstruction of IC pins with conventional angled-view inspection

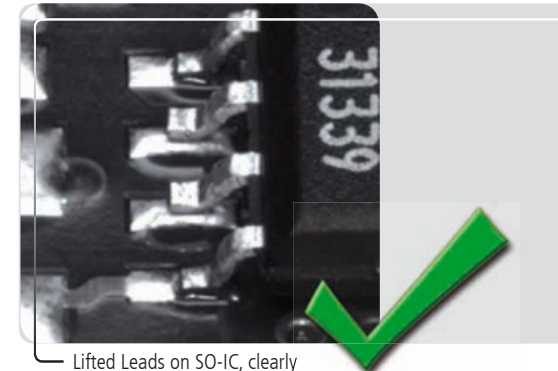


Inspection of IC pins using **Chameleon**

- No visible obstruction of pins by components in front of them



Lifted Leads on SO-IC, hardly visible with orthogonal inspection

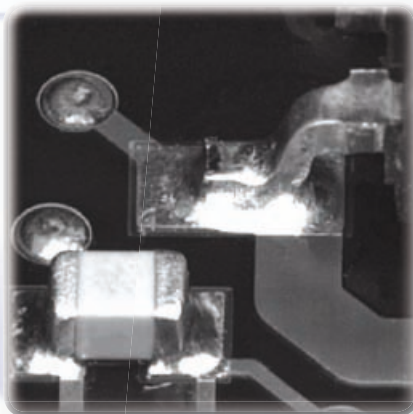


Lifted Leads on SO-IC, clearly visible with **Chameleon**

- Shortest inspection times due to simultaneous inspection of two pin rows in angled viewing direction
- No adaptation of the library entries in different angled positions necessary
- Solder joint inspection close to IPC
- Outstanding field of view with excellent image quality and depth of focus

Angled-view module **Chameleon** at a glance:

- Field of view: **42mm x 42mm**
- Resolution: **10,5µm / 21µm**
- Rotation angle: **360°**
- Rotation step size: **1°**
- Inspection height: **0mm - 5mm**
- PCB clearance: **39mm**



Field of view using angled-view module **Chameleon**

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