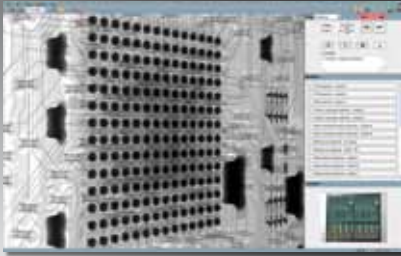


Y.FGUI

YXLON Feinfocus Graphical User Interface



- Create X-ray images without time loss
- Summarize results in one report
- Implement CT intuitively

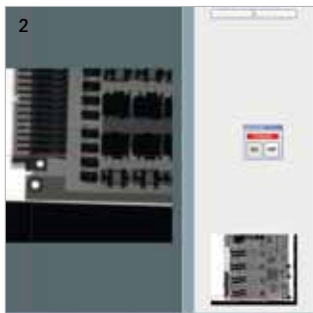
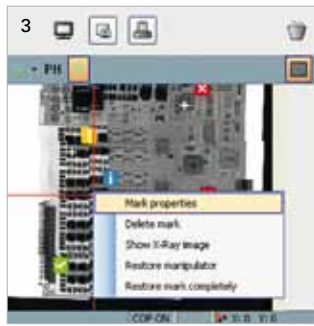
Y.FGUI (YXLON Feinfocus Graphical User Interface) is the software interface for simple and fast operation when working with the Feinfocus systems Y.Cougar and Y.Cheetah.

The innovative system control software makes it possible for any user to acquire brilliant images in the shortest time. Easily understandable symbols and operational elements along with clearly structured work areas enable intuitive operation and rapid user acclimitization ("Easy-View" work area).

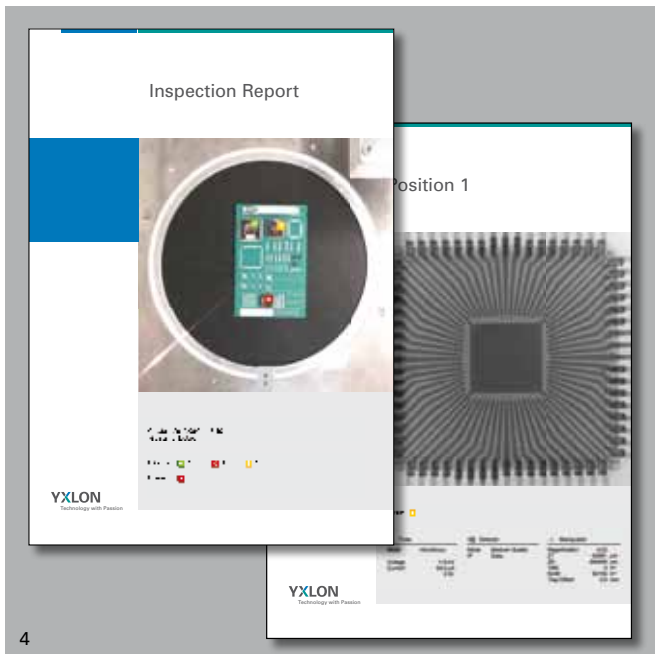
Markings (OK, Not OK, warning, comments) can be placed at various positions on the inspection item. Together with all images and system settings, these markings can then be summarized in an Inspection Report in the PDF format. And all with one click. In addition, the Inspection Report provides a summary of the inspection results and the overall finding for the inspection item: "OK" or "Not OK".

A software assistant guides the operator through the few settings required for capturing the CT data. Reconstruction commences parallel to acquiring the data. The volumetric model of the inspection item appears on the monitor at the 3D visualization station a few seconds after data acquisition has been concluded. In other words, initial CT findings are presented within a matter of seconds. Conclusive, high-quality CT results are available in a matter of minutes. The CT software is available on an optional basis.

YXLON. X-ray technology at its best.

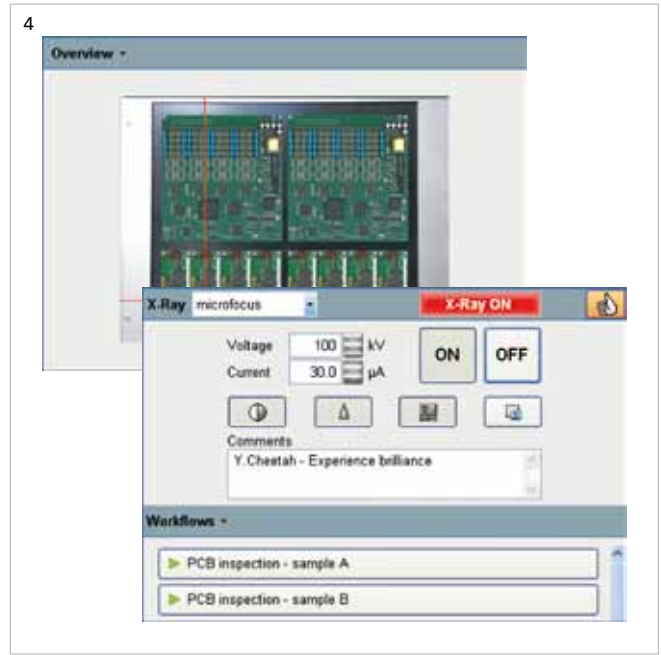
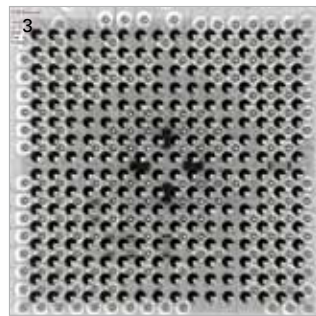
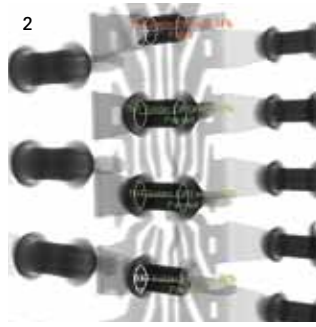
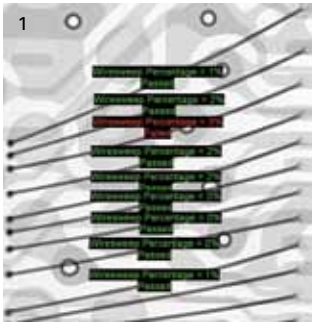


- 1 Marking on the Inspection Map
- 2 Stitching overall image
- 3 Inspection Map
- 4 Inspection Report



Functional overview

	Y.Cougar		Y.Cheetah
Frame & Zoom	-	Frame & Zoom	■
Zoom*	-	Zoom*	■
Power Drive	-	Power Drive	■
Click + Center	■	Click + Center	■
Inspection Map	■	Inspection Map	■
Inspection Report	■	Inspection Report	■
Stitching	■	Stitching	■
Automatic CT volumetric depiction	■	Automatic CT volumetric depiction	■
Stitching of image processes	■	Stitching of image processes	■



- 1 Wire sweep
- 2 THT
- 3 BGA analysis
- 4 Overview image, X-ray settings

General structure

Simple operation makes it possible for any user to generate high-quality images in the shortest time.

“1-Click Operation”

The Y.FGUI software interface provides each and every operator with the highest image quality due to the concept of “1-Click Operation”. Even technologically sophisticated functions are controlled quickly and conveniently by pressing a button. The user can choose between 2 different operating modes:

- Manual inspection
- Automated inspection

Manual inspection

- 1 click to obtain the first image about 10 seconds after loading
- “Click & Center” – global or fine sample positioning via 1 click into the overview or radioscopic image
- “Frame & Zoom” – 1 click for zoom and positioning
- “Click & Fly” – inspection in motion, for travel along BGA balls or components in belt packages
- “Inspection Map” – 1 click to activate automatic creation of an Inspection Report

Automated inspection

- 1 click to reach a library of automated inspection runs
- “Grid Inspection” for 1-click multi-part inspection

Work areas

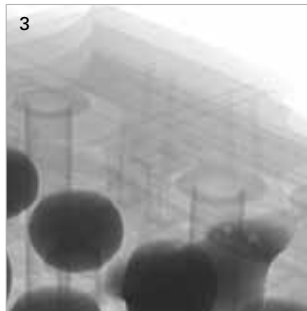
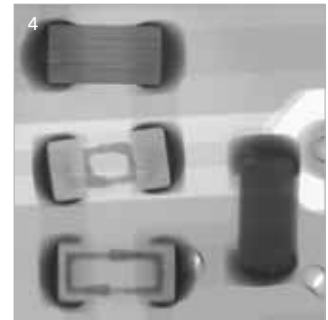
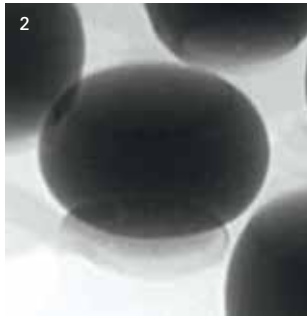
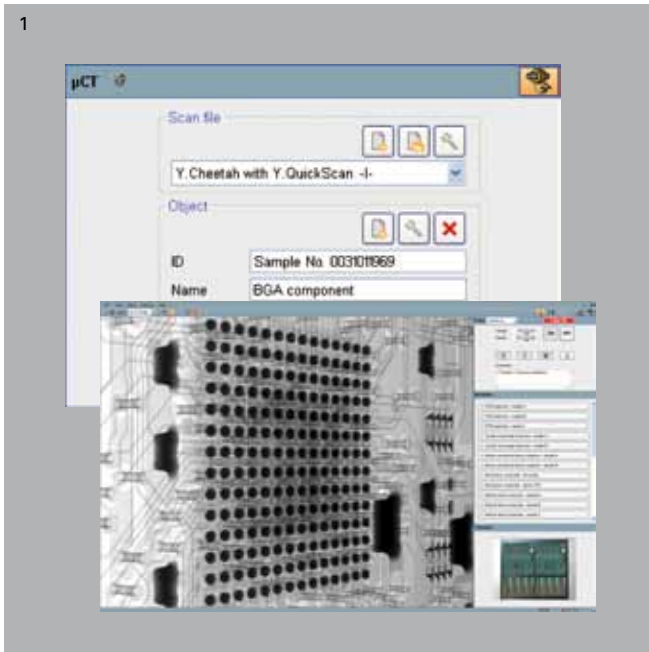
“Easy-View” work area

The “Easy-View” work area offers a user interface for the simple execution of a multitude of inspection tasks:

- Control of basic tube settings
- Automatic contrast and sharpness on/off
- Display of settings in the radioscopic image, incl. text input
- Save the radioscopic image
- Access to a library with CNC inspection runs
- Inspection Map, Inspection Report

Image processing work area

- Uncomplicated ‘drag and drop’ setup of image processing chains (‘stitching’) and adaptation of operating factor settings
- Intuitively applicable, real-time-capable operating factors and analyses as the standard version, incl. contrast, sharpness, mean value, OSD with spatial, wire-sweep and THT measurements etc.
- Additional optional operating factors for scan analyses (BGA, voiding calculation) supported by configuration aids
- Control of detector settings
- Ergonomic arrangement for all typical inspection tasks



- 1 CT control software and Y.FGUI
- 2 Defective BGA ball
- 3 Twisted component
- 4 Defective BGA ball

Easy teach-in

The user can create a radioscopic image in a few steps without programming one line of software.

AXI work area

Readily trained workflows can be applied using “Grid Inspection” during multi-part inspection:

- 1 click to fast series inspection of many sample trays – each sample tray is loaded with several samples
- Library of samples and automated inspection runs
- Visualization of “pass/fail” results
- Rapid setup – simple stipulation of the number of items, their spacing and the inspection run to be applied

μCT work area

This work area offers access to predefined μCT scans and guides the user through the configuration of new scans:

- 1-click access to a library of scan routines
- 1-click application for fast series inspection
- Optional input of object ID, name and comments
- μCT Wizard supports configuring new scans
- Automatic identification of the Y.μCT Module and activation of the work area

3D reconstruction and visualization

The Y.μCT Module contains a workstation for reconstructing and visualizing volumetric data:

- Rapid online and offline reconstruction
- Environment similar to CAD for intuitive visualization
- Reconstruction and visualization of “region of interest” scans to attain maximum resolution and magnification
- Virtual sections and layers at any angles desired
- 1 click to use depiction templates
- 1 click to save images and views

YXLON

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