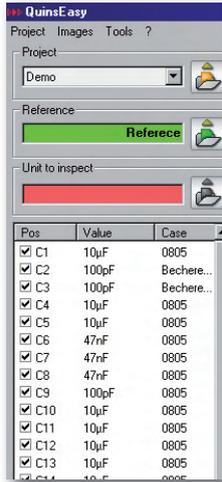# Quins easy

QUINS-EASY-VIEW

- FIRST - SAMPLE INSPECTION according to parts list
- EQUIPPING - CONTROL according to placement plan

If you choose a component in the list, QUINS - EASY - VIEW navigates automatically to the correct position in the image.
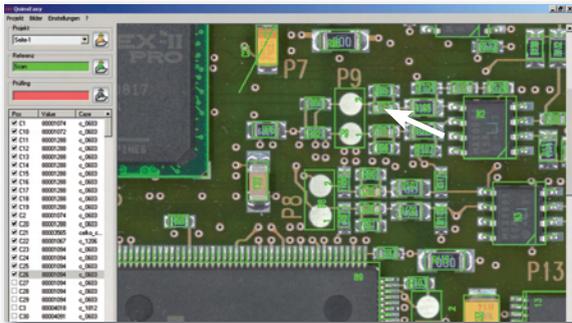
THE SIMPLEST WAY TO MATCH PART LIST AND FIRST SAMPLE !

Simply import your data as csv-format (with x/y coordinates)

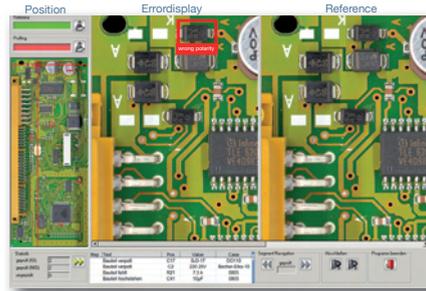**AND/OR**
in addition you can display your PLACEMENT PLAN.
Open your drawing (pdf-document) as an overlay of your first-sample.

Of course with **LOGGING** and **DOCUMENTATION**!

Quins easy

QUINS-EASY-EXTRAS

REPAIR PLACE AND
EXTERNAL STATISTIC-SOFTWARE

Get a perfect checking environment with QUINS-EASY !

Every error has to be marked as repaired!
Nothing can be overlooked or skipped !
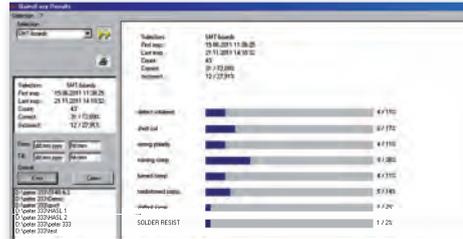
Your errors will be displayed as a statistic for all projects.
That way you always know on which point you have to optimise something.
QUINS-EASY saves automatically all informations to these processes.

QUINS-tools - file comparator with converting-routines!

- ✓ autom. B.O.M. / Pick & Place comparing
- ✓ B.O.M. data convertion
- ✓ Pick& Place data convertion
- ✓ Data convertion for QUINS-EASY first-sample-inspection
- ✓ Data-multiplicator for multiple printed panel

NEW!
request detailinformations!

Quins easy

- ✓ error list
- ✓ reference picture
- ✓ error picture with markers
- ✓ crosslines for easy locating

how easy it is to test it right

THE INSPECTION SYSTEM
QUALITY PROTECTION
with the QUINS - EASY - system solution

Interflux
Krakowskie Przedmiescie 66 | 00-322 Warszawa
Tel.:+48-601 26 90 27 | Fax: +48 22 826 59 88
if @ interflux.pl | www.interflux.pl

✓ **without programming** ✓ **simplest usage**

✓ **immediate usage** ✓ **universal usage**

QUINS-EASY - a practical inspection system with many advantages for your quality protection. Because of the simple usage it is possible to you to test units in least time, 100 % correct and without programming effort. You do not need any expensive inspection programs. You save a lot of time and costs, and you win safety as well as quality.

You can inspect everything with QUINS-EASY !

✓ **SMT - placement**

✓ **THT - placement**

✓ **Printed circuit board layout**

✓ **or other ones**
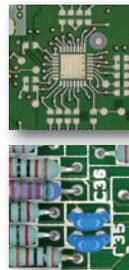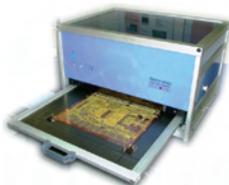
The specially developed (also for AOI - systems) LED light guarantees a perfect picture quality up to a resolution of 1200dpi. That equates a zoom factor of 15.

THE PATENT (NR.102007028723)

The patented inspection procedure is based on the principle of the **AUTOMATICALLY CENTERED ALTERNATION IMAGE DISPLAY** between the test- and reference image.

With this procedure you support your physiological optics optimally.

Detect errors immediately, fast and reliably.

reference

alternation image display

OK!

unit under test

ERROR!
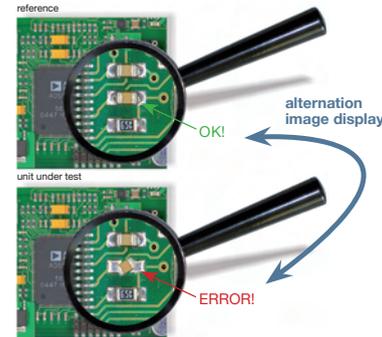
AUTO - SEGMENTATION

The automatic segmentation partitions the images in single segments automatically. The user can inspect segment for segment by pressing space bar. Project oriented, segments can be switched off and the row can be defined individually. The guide guarantees that nothing will be skiped or overlooked.

ERROR MARKING

The advantage of the error marking and the automatic error image saving consists in being able to decollate inspection and repair from separate. The automatically saved error images include your markers.
You can test whole lines of units. By using the saved error images it is possible to rework error units at a separate place of work.
All pictures are saved in jpg-format and can be displayed on every computer.
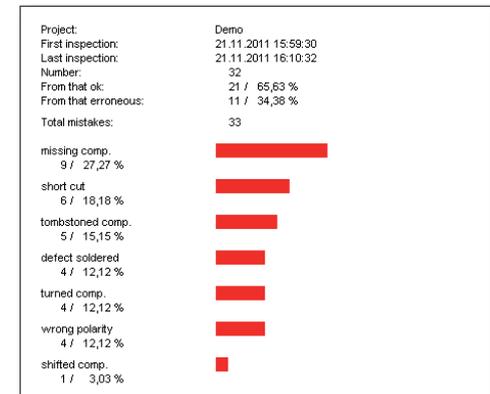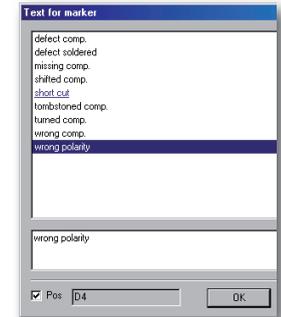
wrong polarity
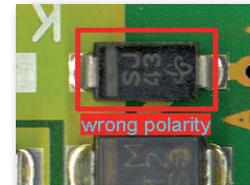
PARALLELSCANNING

With the Parallel Scanning you can scan the next unit while you are testing. That saves time!

THE DIFFERENCE IMAGE DISPLAY

The difference image display filters minimum image differences. Only essential differences are emphasized as error clearly. Through that the shimmering of the alternation image display becomes invisible, and a relaxed working is possible.

INFORMATIONS TO PROCESS ENHANCEMENT

You can determine your main error issues through individual **ERROR TEXTS** and displaying them in a **STATISTIC REPORT.**

Text for marker

defect comp.
defect soldered
missing comp.
shifted comp.
short cut
tombstoned comp.
turned comp.
wrong comp.
wrong polarity

wrong polarity

☑ Pos   D4   OK

Project:	Demo
First inspection:	21.11.2011 15:59:30
Last inspection:	21.11.2011 16:10:32
Number:	32
From that ok:	21 / 65,63 %
From that erroneous:	11 / 34,38 %
Total mistakes:	33

missing comp.
  9 / 27,27 %

short cut
  6 / 18,18 %

tombstoned comp.
  5 / 15,15 %

defect soldered
  4 / 12,12 %

turned comp.
  4 / 12,12 %

wrong polarity
  4 / 12,12 %

shifted comp.
  1 / 3,03 %

UNIT ASSIGNMENT

The automatic numbering offers a easy allocation. Manuel inputs for individual labelling are possible.

QUINS-EASY offers a **BARCODE-INTERFACE** for coded units.

All pictures can be archived automatically under this numbering.