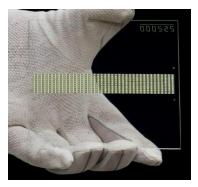
VERINAS



PBT GLASS TEST BOARD AOI TESTER

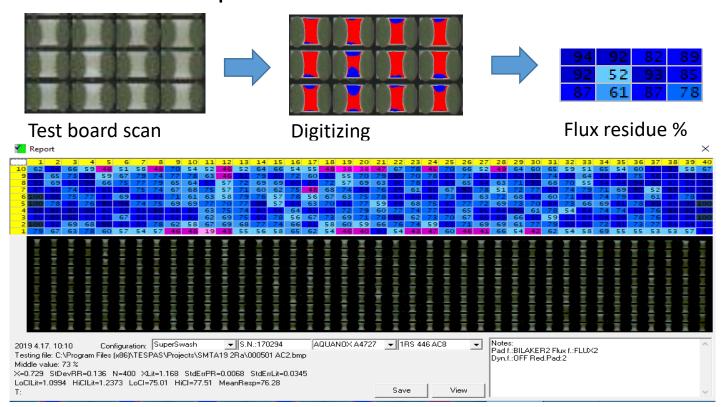


VERINAS is a dedicated AOI test equipment for evaluating remaining flux residues on PBT GLASS TEST BOARD



Numerical evaluation is used for precise comparison of cleaning results under different cleaning conditions

AOI evaluation process



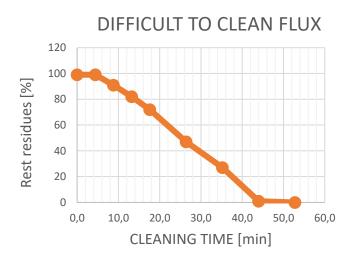
TYPICAL APPLICATIONS

- Flux residues dynamic solubility testing and comparison
- Statistical process control of cleaning process according to J-STD-001 Am. 1, par. 8
- Validation of changes instead of ionic contamination measuring
- Cleaning process optimization
- Cleaning machine capability studies
- Cleaning process diagnostic

Typical applications

Comparing dynamic solubility of flux in cleaner





Cleaning machine capability

- Run the cleaning process with GLASS TEST BOARD in different chamber positions.
 Compare results.
- Run 10-30 cleaning cycles with the same cleaning parameter settings, each with GLASS TEST BOARD (to about 50% residues result). Compare results, calculate Cpk.

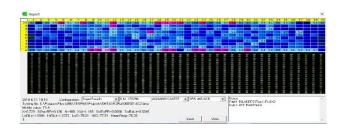
Process setup for new product cleaning

- Clean simultaneously your product and GLASS TEST BOARD
- Check cleanliness under critical components
- Test the remaining residue on GLASS TEST BOARD after your product is clean. This is a threshold for properly running cleaning process.









Verification of process changes

- Run the cleaning process with GLASS TEST BOARD after each significant change (filter exchange, washing solution exchange, machine maintenance and other according to J-STD-001G AD. 1, clause 8.3.1)
- Evaluate and compare results against your threshold from process setup