

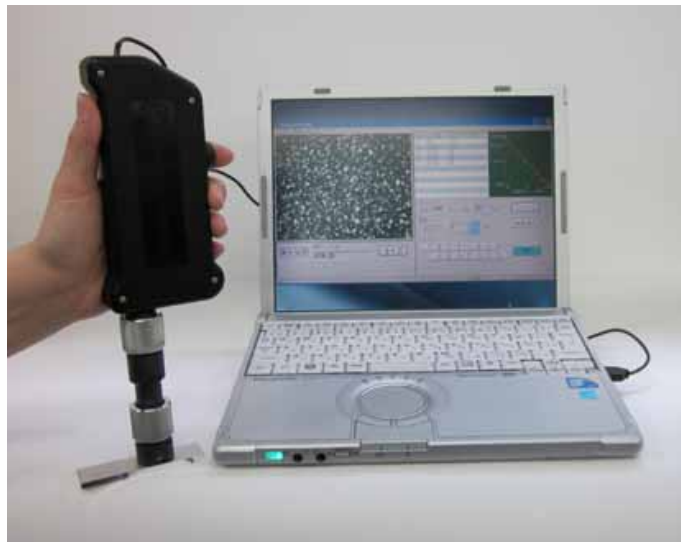
COVERAGE
CHECKER



Coverage Checker

< For Easy Coverage Measurement >

TCV - 2A



What's Coverage Checker?

Coverage Checker is the device for easy and precise coverage measurement instead of human eyes.

Coverage data is registered into Coverage Checker in advance. Coverage value is calculated from correlation between coverage data table and captured target image.

Install Coverage Checker software in a your PC from attached CD-ROM. (Available OS: Windows XP, 7 32bit)



PC is prepared by user (Windows XP, 7)

Stable measurement result by any operator

COVERAGE CHECKER is available for coil spring bore and narrow area

COVERAGE CHECKER can measure hole inside with the dedicated nozzle

**Visual coverage measurement requires much experience and skill.
With COVERAGE CHECKER, even beginner can measure coverage as well as skilled operator.**

COVERAGE CHECKER is also optimum for educational tool



[Coil spring bore measurement]



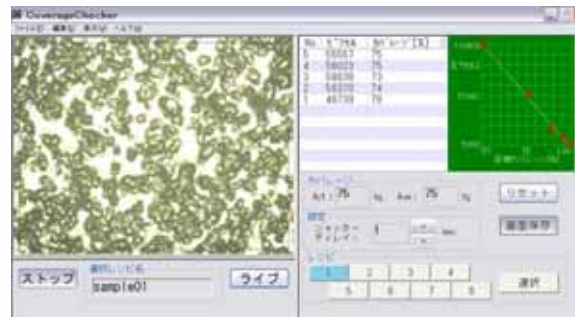
[Hole inside measurement]

Coverage Checker function

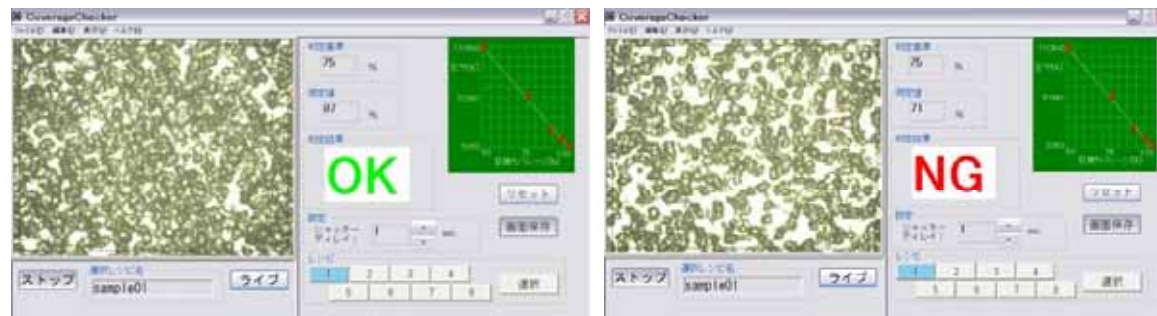
Coverage Checker has “Measurement mode” and “OK/NG mode”.

In “Measurement mode”, result is shown in coverage value calculated in basis of recipe. In “OK/NG mode”, result is shown in pass/fail (OK/NG).

1) Measurement mode: Average value of repeatedly measured results

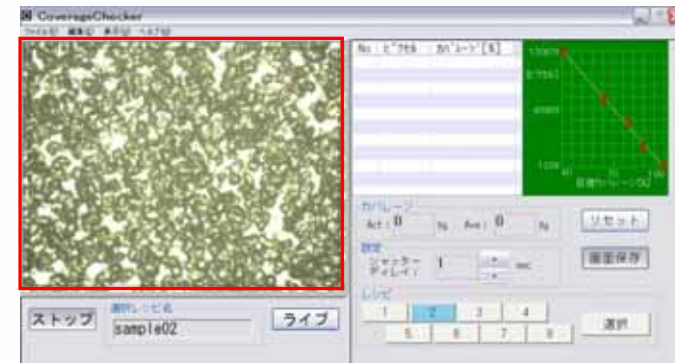


2) OK/NG mode: Judgment whether each result satisfies criterion



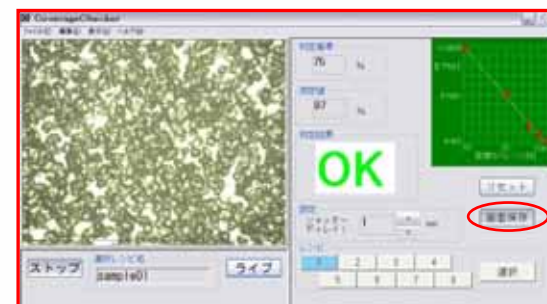
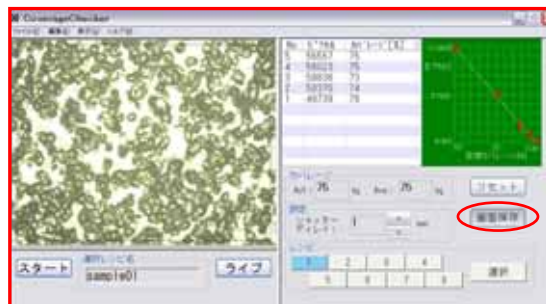
Other functions

Coverage Checker can record captured images of target surface into hard disc.



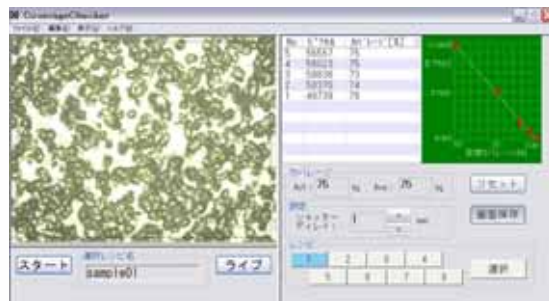
Independent from image capturing function, in “Measurement mode” or “OK/NG mode”, whole displayed screen can be recorded.

By clicking “SAVE VIEW” button, not only captured (measured) image but also measurement information (recipe name and measurement result) can be recorded.

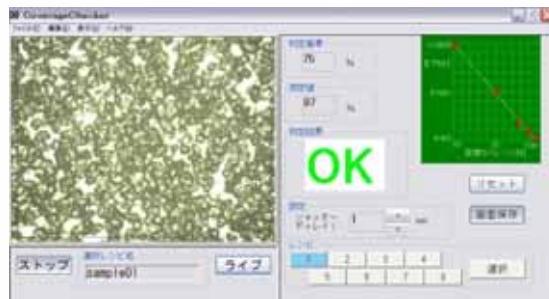


Operation screen

Measurement is easy by only touching screen. Access to parameter adjustment for quantification is protected with password to avoid wrong operation by irrelevant person.



[Measurement mode]



[OK/NG mode]

[Description]

LIVE display screen: Real time camera view

Selected recipe name: File name of selected recipe

Coverage records: Records of coverage measurement results

Coverage measurement result: Last measurement result and average value

Criterion: Criterion of pass/fail is displayed

Measurement value: Coverage measurement result

Judgment: OK/NG result on criterion

Recipe graph: Selected recipe graph

Recipe select: One touch call for registered recipe

Tip of Coverage Checker

About camera –Telecentric Optical System-

Because light usually has spreading angle from its source, contrast decreases due to several direction optical elements. For more precise coverage measurement with clearer contrast, Telecentric Optical System lens is applied on object side.

As its feature, captured image is stable even if object surface slightly moves or leans against light axle. Moreover, depth of focus becomes deeper. It contributes to stable magnification for whole image.

Telecentric Optical System has small diaphragm at focal point of lens to make light axle and mail beam parallel. Different from usual spherical lens, lights through diaphragm form image in parallel of light axle with Telecentric Optical System.

