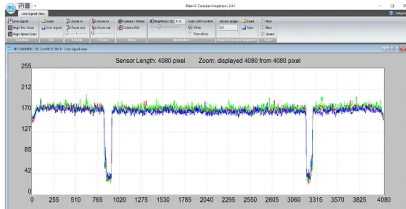


SKan-R

Program to control the image acquisition with robot arm



FEATURES

- Controlling camera, light and image acquisition with the robot arm
- Saving and loading of the parameters for the acquisition and analyzation
- Image manipulation (e.g. gamma, histogram equalization, region of interest)
- Evaluations according to
 - Filiform corrosion according to ISO21227-4
 - Delamination and corrosion acc. to ISO 4628-8
 - Testing of stone impact resistance, ISO 20567-1
 - Counting of all filaments, maximum length l, r
 - Evaluation according to GSB, ACT II, Qualicoat



DESCRIPTION

The software SKan-R offers a simple control for the camera, the illumination and the robot arm. After scanning the test sample, you have a wide range of image manipulation functions to get the best input for the analysis.

SKan-R automatically recognizes a predefined set of scribe patterns and also automatically assigns, measures and ranks the corrosion and delamination areas, infiltration patches, filament lengths and their distribution frequency. When desired, the interactive and manual measurement of corrosive phenomena can be performed by the operator.

The SKan-R program saves the accepted corrosion analysis results as images and tabular data, together with the treatment and analytical processing information, for retrieval, comparison and documentation.

The software supports also the offline evaluation, without a connection to the hardware. After loading a stored image, grayscaled or color, the corrosion phenomena can be evaluated with all available methods. With it an independent reanalysis or a new evaluation is possible.

TECHNICAL DATA

SKan-R

Adjustments	Line signal, variable scan lengths, ROI
Evaluations	Filiform corrosion according to ISO21227-4
	Delamination and corrosion acc. to ISO 4628-8
	Testing of stone impact resistance, ISO 20567-1
	Counting of all filaments, maximum length l, r
	GSB, ACT II, Qualicoat
Image formats	PNG and Bitmap with pixel size embedded
	Color and grayscale
Export formats	Excel sheet, original image, binary result image
System requirements	
Operating system	Windows 10
CPU	Intel Core i7 or AMD Ryzen 7
RAM	min. 16 GB
GPU	Onboard
Gigabit Ethernet	2 ports

RELATED PRODUCTS

SK-LASM-M-90-11-R010	Monochrome robot-guided scanner with 11 µm resolution
SK-LASM-C-90-22-R010	Color robot-guided scanner with 22 µm resolution

This is a printout of the page <https://sukhamburg.com/products/details/SKan-R> from 4/26/2024

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