Product brief
EVK SQALAR

V02-22-EN

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EVK SQALAR

Software Tool for Determination of Chemical Concentrations in Materials

- Qualitative and quantitative analysis
- For sorting, inspection and monitoring applications
- In-line, at-line and in the laboratory

Description

EVK SQALAR software enables monitoring and measuring of user-defined properties of individual objects or bulk material streams and helps to increase the quality, consistency and safety of products at all stages of industrial processing.
Acting as a multifunctional quantitative analysis software tool for multivariate measurements of chemical properties it is suitable for sorting, inspection and monitoring applications, in-line, at-line and also in laboratories. EVK SQALAR in combination with EVK HELIOS Hyperspectral imaging systems enables a non-invasive, interruption-free, measurement of chemical concentrations of all objects in a product stream.

Key features

- Qualitative and quantitative chemical analysis in-line, at-line and in the lab
- In-situ results of the full product stream
- Intuitive instructive modelling environment
- Instant validation of generated model
- Statistical figures of merit
- High precision measurement of substance concentration
- Simple deployment of models to hardware

Client benefits

- Increase quality, consistency and safety of products
- Full control of user defined properties of the entire product stream
- Product safety in fields with highest legal or standard requirements

Typical applications

- Material type determination based on its chemical composition in recycling industry
- Determination of calorific value of refuse derived fuels
- Detection of poisonous compounds in food industry
- Analysis and monitoring of nutrients, moisture, protein, fat, pH values
- Separation of mineral types and rock

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